

Supplementary Table 1: Identified variants in Arab individuals with sporadic and autosomal recessive rod cone dystrophy.

<i>Gene</i>	Ref_Seq	Change at DNA level	Change at Protein level	Family/ sample ID	N	Origin	Authors	Year
<i>ABCA4</i>	NM_000350.2	c.4793C>A	p.(Ala1598Asp)	arRP-F007	2	KSA	Abu-Safieh et al	2013
<i>ABCA4</i>	NM_000350.2	c.4316G>A	p.(Gly1439Asp)	arRP-F119	1	KSA	Abu-Safieh et al	2013
<i>ABCA4</i>	NM_000350.2	c.4316G>A	p.(Gly1439Asp)	sRP-018	1	KSA	Abu-Safieh et al	2013
<i>ABCA4</i>	NM_000350.2	c.5391_5392del	p.(Ala1798*)	09DG00134	1	KSA	Patel et al	2016
<i>ABCA4</i>	NM_000350.2	c.1630_1633dup	p.(Asn545Argfs*12)	09DG00194	1	KSA	Patel et al	2016
<i>ABCA4</i>	NM_000350.2	[c.2815G>T];[c.1615del]	p.[(Glu939*);(Leu539Serfs*29)]	10DG1130	1	KSA	Patel et al	2016
<i>ABCA4</i>	NM_000350.2	[c.1140T>A];[c.5642C>G]	p.[(Asn380Lys);(Ala1881Gly)]	11DG2106	1	KSA	Patel et al	2016
<i>ABCA4</i>	NM_000350.2	c.5391_5392del	p.(Ala1798*)	13DG2102	1	KSA	Patel et al	2016
<i>ABCA4</i>	NM_000350.2	[c.3482G>A];[c.5917del] **	p.[(Arg1161His);(Val1973*)]	09DG01320	4	Syrian	Patel et al	2018
<i>ABCA4</i>	NG_009073.1(NM_000350.2)	c.5460+1G>A	p.(=)	F1A	4	Jordan	Abu-Ameerh et al	2019
<i>AGBL5</i>	NM_021831.5	c.1255dup	p.(Thr419Asnfs*32)	16	1	Emirates Arab	Khan A O	2019
<i>ARL2BP</i>	NG_033905.1(NM_012106.3)	c.101-1G>C	p.(=)	MOL0807	1	muslim Morocco	Davidson et al	2013
<i>ARL2BP</i>	NG_033905.1(NM_012106.3)	c.207+1G>T	p.(=)	-	2		Audo et al	2017
<i>ARL6</i>	NM_177976.2	c.266C>T **	p.(Ala89Val)	DGU-F15	4	KSA	Aldahmesh et al	2009
<i>ARL6</i>	NM_177976.2	c.362G>A	p.(Arg121His)	11DG2051	1	KSA	Patel et al	2016
<i>BBS2</i>	NM_031885.3	c.943C>T	p.(Arg315Trp)	10DG1111	1	KSA	Patel et al	2016
<i>C8orf37</i>	NM_177965.3	c.529C>T	p.(Arg177Trp)	11DG1769	1	KSA	Patel et al	2016
<i>C8orf37</i>	NM_177965.3	c.529C>T	p.(Arg177Trp)	12DG0138	1	KSA	Patel et al	2016
<i>CERKL</i>	NM_201548.4	c.734T>C	p.(Leu245Pro)	sRP-045	1	KSA	Abu-Safieh et al	2013
<i>CERKL</i>	NM_201548.4	c.734T>C	p.(Leu245Pro)	-	1	KSA	Khan et al	2015
<i>CERKL</i>	NM_001030311.2	c.999C>A	p.(Cys333*)	-	1	KSA	Khan et al	2015
<i>CERKL</i>	NM_001030311.2	c.890T>C	p.(Ile297Thr)	11DG2308	1	KSA	Patel et al	2016
<i>CERKL</i>	NG_021178.2(NM_01030313.2)	c.238+1G>A	p.(=)	12DG0401	1	KSA	Patel et al	2016
<i>CERKL</i>	NG_021178.2(NM_01548.4)	c.1151+3_1151+6del **	p.(=)	F12	2	Tunisia	Habibi et al	2016
<i>CERKL</i>	NG_021178.2(NM_01548.4)	c.1151+3_1151+6del **	p.(=)	F13	1	Tunisia	Habibi et al	2016
<i>CERKL</i>	NG_021178.2(NM_01548.4)	c.1151+3_1151+6del **	p.(=)	F14	1	Tunisia	Habibi et al	2016

<i>CERKL</i>	NG_021178.2(NM_201548.4)	c.1151+3_1151+6del **	p.(=)	F15	1	Tunisia	Habibi et al	2016
<i>CERKL</i>	NM_001030311.2	c.999C>A	p.(Cys333*)	12DG0399	2	KSA	Patel et al	2018
<i>CERKL</i>	NM_201548.4	c.1187_1188del **	p.(Gln396Argfs*20) **	F1: V-30	1	Jordan	Azab B et al	2019
<i>CNGB1</i>	NM_001297.1	c.2957A>T	p.(Lys986Met)	sRP-005	1	KSA	Abu-Safieh et al	2013
<i>CNGB1</i>	NM_001297.4	c.2957A>T	p.(Asn986Ile)	12DG0391	1	KSA	Patel et al	2016
<i>CNGB1</i>	NM_001297.4	c.2957A>T	p.(Asn986Ile)	12DG1256	1	KSA	Patel et al	2016
<i>CNGB1</i>	NM_001297.4	c.2294G>T	p.(Arg765Leu)	12DG2309	1	KSA	Patel et al	2016
<i>CNGB1</i>	NM_001297.4	c.2293C>T	p.(Arg765Cys)	F2	2	Tunisia	Habibi et al	2016
<i>CRB1</i>	NM_201253.1	c.3159T>G	p.(Cys1053Trp)	DGU-F11	4	KSA	Aldahmesh et al	2009
<i>CRB1</i>	NM_201253.1	c.80G>C	p.(Cys27Phe)	DGU-F12	1	KSA	Aldahmesh et al	2009
<i>CRB1</i>	NM_201253.2	c.3495T>G	p.(Cys1165Trp)	arRP-F030	2	KSA	Abu-Safieh et al	2013
<i>CRB1</i>	NM_201253.2	c.1429G>A	p.(Gly477Arg)	arRP-F062	3	KSA	Abu-Safieh et al	2013
<i>CRB1</i>	NM_201253.2	c.2024G>A	p.(Trp675*)	sRP-014	1	KSA	Abu-Safieh et al	2013
<i>CRB1</i>	NM_201253.2	c.80G>T	p.(Cys27Phe)	sRP-086	1	KSA	Abu-Safieh et al	2013
<i>CRB1</i>	NM_201253.2	c.2234C>T	p.(Thr745Met)	sRP-087	1	KSA	Abu-Safieh et al	2013
<i>CRB1</i>	NM_201253.2	c.1772_1775del **	p.(Cys591Serfs*29) **	-	2	Lebanon	Jalkh et al	2014
<i>CRB1</i>	NM_201253.2	c.1180T>C	p.(Cys394Arg)	09DG00277	1	KSA	Patel et al	2016
<i>CRB1</i>	NM_201253.2	c.2330_2336del	p.(Pro777Leufs*4)	10DG0001	1	KSA	Patel et al	2016
<i>CRB1</i>	NM_201253.2	c.1180T>C	p.(Cys394Arg)	10DG1183	1	KSA	Patel et al	2016
<i>CRB1</i>	NM_201253.2	c.1180T>C	p.(Cys394Arg)	11DG1394	1	KSA	Patel et al	2016
<i>CRB1</i>	NM_201253.2	c.2701G>T	p.(Val901Phe)	12DG0833	1	KSA	Patel et al	2016
<i>CRB1</i>	NM_201253.2	c.80G>T	p.(Cys27Phe)	13DG0249	1	KSA	Patel et al	2016
<i>CRB1</i>	NM_201253.2	c.1463T>C	p.(Phe488Ser)	14DG2055	1	KSA	Patel et al	2016
<i>EMC1</i>	NM_015047.3	c.430G>A	p.(Ala144Thr)	sRP-001	1	KSA	Abu-Safieh et al	2013
<i>EYS</i>	NM_001142800.1	c.32dup	p.(Met12Aspfs*14)	arPR-F027	5	KSA	Abu-Safieh et al	2013
<i>EYS</i>	NM_001142800.1	c.6050G>T	p.(Gly2017Val)	arRP-F098	1	KSA	Abu-Safieh et al	2013
<i>EYS</i>	NM_001142800.1	c.6050G>T	p.(Gly2017Val)	sRP-007	1	KSA	Abu-Safieh et al	2013
<i>EYS</i>	NM_001142800.1	c.179del	p.(Leu60Trpfs*3)	10DG1649	1	KSA	Patel et al	2016
<i>EYS</i>	NM_001142800.1	c.910dup **	p.(Trp304Leufs*9) **	-	1 2	KSA	Hashmi et al	2018

<i>EYS</i>	NM_001142800.1	c.875_888delinsTTT	p.(Glu292Valfs*17)	16DG0629	2	KSA	Patel et al	2018
<i>FAM161A</i>	NM_001201543	c.1003C>T	p.(Arg335*)	AQ09	2	Palestine	Zobor et al	2014
<i>FAM161A</i>	NM_032180.2	c.685C>T	p.(Arg229*)	09DG00352	1	KSA	Patel et al	2016
<i>FAM161A</i>	NM_032180.2	c.685C>T	p.(Arg229*)	11DG1421	1	KSA	Patel et al	2016
<i>FAM161A</i>	NM_032180.2	c.685C>T	p.(Arg229*)	11DG1804	1	KSA	Patel et al	2016
<i>FAM161A</i>	NM_001201543	c.678_681del **	p.(Lys227Asnfs*17)	F11	2	Tunisia	Habibi et al	2016
<i>GPR125</i>	NM_145290.3	c.2504C>G	p.(Ser835Cys)	sRP-022	1	KSA	Abu-Safieh et al	2013
<i>GPR125</i>	NM_145290.3	c.2504C>G	p.(Ser835Cys)	09DG00459	1	KSA	Patel et al	2016
<i>IMPG2</i>	NM_016247.3	c.2346_2347del	p.(Arg782Serfs*24)	arRP-F071	4	KSA	Abu-Safieh et al	2013
<i>IMPG2</i>	NM_016247.3	c.2346_2347del	p.(Arg782Serfs*24)	09DG01587	1	KSA	Patel et al	2016
<i>IMPG2</i>	NM_016247.3	c.2274G>A	p.(Trp758*)	11DG2068	1	KSA	Patel et al	2016
<i>IMPG2</i>	NM_016247.3	c.2274G>A	p.(Trp758*)	12DG0554	1	KSA	Patel et al	2016
<i>IMPG2</i>	NM_016247.3	c.513T>G	p.(Tyr171*)	12DG1252	1	KSA	Patel et al	2016
<i>IMPG2</i>	NM_016247.3	c.2274G>A	p.(Trp758*)	12DG2330	1	KSA	Patel et al	2016
<i>IMPG2</i>	NM_016247.3	c.909-802_1154-539del	p.(Gly304Glu fs*9) **	09DG00922	6	KSA	Patel et al	2018
<i>IMPG2</i>	NM_016247.3	c.2274G>A	p.(Trp758*)	15DG0195	1	KSA	Patel et al	2018
<i>IMPG2</i>	NM_016247.3	c.2274G>A	p.(Trp758*)	15DG2178	3	KSA	Patel et al	2018
<i>IMPG2</i>	NM_016247.3	c.189dup	p.(Gln64Thrfs*9)	Fam 1	4	Emirates	Khan et al	2019
<i>IMPG2</i>	NM_016247.3	c.189dup	p.(Gln64Thrfs*9)	Fam 2	1	Emirates	Khan et al	2019
<i>IMPG2</i>	NG_028284.1 (NM_016247.3)	c.533+4_533+7del	p.(=)	Fam 3	1	Emirates	Khan et al	2019
<i>IMPG2</i>	NM_016247.3	c.3262C>T	p.(Arg1088*)	Fam 4	1	Emirates	Khan et al	2019
<i>LRAT</i>	NM_004744.4	c.233_242del	p.(Leu78Argfs*85)	12DG1182	1	KSA	Patel et al	2016
<i>LRAT</i>	NM_004744.3	c.241_242del	p.(Leu81Aspfs*40)	12DG0405	1	KSA	Patel et al	2018
<i>MERTK</i>	NM_006343.2 NG_011607.1	c.1335_1336del	p.(Ala446Serfs*28) **	DGU-F16	3	KSA	Aldahmesh et al	2009
<i>MERTK</i>	(NM_006343.2)	c.(1144+1_1145-1)_(1296+1_1297-1)del**	-	Second Family	0	KSA	Mackay et al	2010
<i>MERTK</i>	NM_006343.2	c.2323C>T	p.(Arg775*)	-	3	Morocco	Ksantini et al	2012
<i>MERTK</i>	NM_006343.2	c.2214del	p.(Cys738Trpfs*32)	10DG1152	1	KSA	Patel et al	2016
<i>MERTK</i>	NM_006343.2	c.2214del	p.(Cys738Trpfs*32)	11DG1924	1	KSA	Patel et al	2016
<i>MERTK</i>	NM_006343.2	c.2214del	p.(Cys738Trpfs*32)	12DG0434	1	KSA	Patel et al	2016
<i>MERTK</i>	NM_006343.2	c.325A>T	p.(Lys109*)	12DG0949	1	KSA	Patel et al	2016

<i>MERTK</i>	NM_006343.2	c.2214del	p.(Cys738Trpfs*32)	12DG1797	1	KSA	Patel et al	2016
<i>MERTK</i>	NG_011607.1 (NM_006343.2)	c.1604+2T>G	p.(=)	12DG2585	1	KSA	Patel et al	2016
<i>MERTK</i>	NM_006343.2	c.2189+1G>T	p.(=)	13DG0011	1	KSA	Patel et al	2016
<i>MERTK</i>	NM_006343.2 NG_011607.1 (NM_006343.2)	c.2262C>G	p.(Tyr754*)	13DG0999	1	KSA	Patel et al	2016
<i>MERTK</i>	NM_006343.2	c.2323C>T	p.(=)	-	1	KSA	Audo et al	2018
<i>MERTK</i>	NM_006343.2	c.1335_1336del **	p.(Arg775*)	-	2	Morocco	Audo et al	2018
<i>MERTK</i>	NM_006343.2	c.2219C>T	p.(Ala446Serfs*28)	11DG0677	4	KSA	Patel et al	2018
<i>MERTK</i>	NM_006343.2 NG_011607.1 (NM_006343.2)	c.2219C>T	p.(Ala740Val)	F2286	2	North Africa	Audo et al	2018
<i>MERTK</i>	NM_006343.2	[c.2079+2T>G]; [c.1951C>T]	p.[(=);(Arg651*)]	F2600	1	Lebanon	Audo et al	2018
<i>MERTK</i>	NM_006343.2	c.1301_1302del	p.(Glu434Alafs*40)	F382	2	North Africa	Audo et al	2018
<i>MERTK</i>	NM_006343.2	c.2214del	p.(Cys738Trpfs*32)	53	1	Emirates	Khan A O	2019
<i>MERTK</i>	NM_006343.2	c.2214del	p.(Cys738Trpfs*32)	54	1	Emirates	Khan A O	2019
<i>MERTK</i>	NM_006343.2	c.2214del	p.(Cys738Trpfs*32)	55	1	Emirates	Khan A O	2019
<i>MERTK</i>	NM_006343.2	c.2214del	p.(Cys738Trpfs*32)	56	1	Emirates	Khan A O	2019
<i>NR2E3</i>	NM_014249.3	c.932G>A	p.(Arg311Gln)	F4	2	Tunisia	Habibi et al	2016
<i>NR2E3</i>	NM_014249.3	c.932G>A	p.(Arg311Gln)	14DG0753	1	KSA	Patel et al	2018
<i>NR2E3</i>	NM_014249.2	c.951del	p.(Thr318Argfs*6)	sRP-040	1	KSA	Abu-Safieh et al	2013
<i>NR2E3</i>	NM_014249.2	c.951del	p.(Thr318Argfs*6)	sRP-051	1	KSA	Abu-Safieh et al	2013
<i>PCARE</i>	NM_001029883.2	[c.802C>T]; [c.2756_2768del]	p.[(Gln268*);(Lys919Thrfs*2)]	9	1	Lebanon	Gerth-Kahlert et al	2017
<i>PCARE</i>	NM_001029883.2	c.1377del **	p.(Phe459Leufs*39)	12DG0758	2	Iraqi	Patel et al	2018
<i>PCARE</i>	NM_001029883.2	c.1525del	p.(Thr509Leufs*32)	arRP-F038	2	KSA	Abu-Safieh et al	2013
<i>PCARE</i>	NM_001029883.2	c.2967del	p.(Val990Trpfs*45)	61	1	Emirates	Khan A O	2019
<i>PDE6A</i>	NM_000440.2	c.304C>A	p.(Arg102Ser)	arRP-F072	2	KSA	Abu-Safieh et al	2013
<i>PDE6A</i>	NM_000440.2	c.1358_1359del **	p.(Ile453Serfs*8) **	-	1	Emirates	Nair et al	2017
<i>PDE6B</i>	NM_001145291.1	c.2419T>A	p.(Trp807Arg)	Us	2	Tunisia	Hmani Aifa et al	2009
<i>PDE6B</i>	NM_001145291.1	c.810C>A	p.(Cys270*)	arRP-F049	1	KSA	Abu-Safieh et al	2013
<i>PDE6B</i>	NM_000283.3	c.121_125del **	p.(Pro41Glufs*123) **	F18	1	Morocco	Coppieters et al	2014
<i>PDE6B</i>	NG_009839.1 (NM_000283.3)	c.992+1G>A	p.(=)	14DG1966	1	KSA	Patel et al	2016
<i>PDE6B</i>	NM_001145291.1	c.1010A>G	p.(His337Arg)	F10	4	Tunisia	Habibi et al	2016

<i>PDE6B</i>	NG_009839.1 (NM_000283.3)	c.992+1G>A	p.(=)	09DG00148	1	KSA	Patel et al	2018
<i>PROM1</i>	NM_001145848.1	c.1530C>G	p.(Tyr510*)	arRP-F054	2	KSA	Abu-Safieh et al	2013
<i>PROM1</i>	NG_011696.2 (NM_006017.2)	c.2130+2del **	p.(=)	09DG00585	1	KSA	Patel et al	2016
<i>PROM1</i>	NM_006017.2	c.604C>G	p.(Arg202Gly)	12DG0402	1	KSA	Patel et al	2016
<i>PROM1</i>	NM_006017.2	c.1354dup **	p.(Tyr452Leufs*13) **	F8	1	Tunisia	Habibi et al	2016
<i>RBP3</i>	NM_002900.2	c.1162C>T	p.(Arg388*)	sRP-003	1	KSA	Abu-Safieh et al	2013
<i>REEP6</i>	NM_001329556.1	c.267G>A	p.(Trp89*)	-	1	North Africa	Méjécasse et al	2017
<i>RLBP1</i>	NM_000326.5	c.452G>A **	p.(Arg151Gln) **	KKESH-099	7	KSA	Katsanis et al	2001
<i>RLBP1</i>	NG_008116.1 (NM_000326.4)	c.(525+1_526+1)_(*418_?)del*	-	-	1	Morocco	Humbert	2006
<i>RLBP1</i>	NM_000326.1	c.446C>T	p.(Ser149Phe)	arRP-F069	4	KSA	Abu-Safieh et al	2013
<i>RLBP1</i>	NG_008116.1 (NM_000326.4)	c.(525+1_526+1)_(*418_?)del*	-	MTP1554	1	Morocco	Dessalces et al	2013
<i>RLBP1</i>	NG_008116.1 (NM_000326.4)	c.(525+1_526+1)_(*418_?)del*	-	MTP1633	3	Morocco	Dessalces et al	2013
<i>RLBP1</i>	NG_008116.1 (NM_000326.4)	c.(525+1_526+1)_(*418_?)del*	-	MTP1789	1	Morocco	Dessalces et al	2013
<i>RLBP1</i>	NG_008116.1 (NM_000326.4)	c.(525+1_526+1)_(*418_?)del*	-	MTP1838	2	Morocco	Dessalces et al	2013
<i>RLBP1</i>	NG_008116.1 (NM_000326.4)	c.(525+1_526+1)_(*418_?)del*	-	MTP702	1	Morocco	Dessalces et al	2013
<i>RLBP1</i>	NM_000326.4	c.452G>A	p.(Arg151Gln)	sRP-015	1	KSA	Abu-Safieh et al	2013
<i>RLBP1</i>	NM_000326.4	c.452G>A	p.(Arg151Gln)	09DG00114	1	KSA	Patel et al	2016
<i>RLBP1</i>	NM_000326.4	c.286_297del	p.(Phe96_Phe99del)	10DG0529	1	KSA	Patel et al	2016
<i>RP1</i>	NM_006269.1	c.662del **	p.(Ala221Glyfs*43) **	DGU-F1	3	KSA	Aldahmesh et al	2009
<i>RP1</i>	NM_006269.1	c.606C>A	p.(Asp202Glu)	DGU-F2	3	KSA	Aldahmesh et al	2009
<i>RP1</i>	NM_006269.1	c.3428del **	p.(Asn1143Ilefs*25)	arRP-DF01	3	KSA	Al Rashed et al	2012
<i>RP1</i>	NM_006269.1	c.3677_3678dup **	p.(Glu1227Metfs*29)	arRP-F101	4	KSA	Al Rashed et al	2012
<i>RP1</i>	NM_006269.1	c.4552A>T	p.(Lys1518*)	arRP-F28	4	KSA	Al Rashed et al	2012
<i>RP1</i>	NM_006269.1	c.3428del	p.(Asn1143Ilefs*25)	arRP-F43	4	KSA	Al Rashed et al	2012
<i>RP1</i>	NM_006269.1	c.3428del	p.(Asn1143Ilefs*25)	arRP-F84	4	KSA	Al Rashed et al	2012
<i>RP1</i>	NM_006269.1	c.3396G>A	p.(Trp1132*) **	sRP-19	1	KSA	Al Rashed et al	2012

<i>RP1</i>	NM_006269.1	c.4242_4243del	p.(His1414Glnfs*5)	arRP-F111	2	KSA	Abu-Safieh et al	2013
<i>RP1</i>	NM_006269.1	c.3428del	p.(Asn1143Ilefs*25)	arRP-F114	2	KSA	Abu-Safieh et al	2013
<i>RP1</i>	NM_006269.1	c.4242_4243del	p.(His1414Glnfs*5)	arRP-F116	3	KSA	Abu-Safieh et al	2013
<i>RP1</i>	NM_006269.1	c.5008G>A	p.(Ala1670Thr)	arRP-FD02	5	KSA	Abu-Safieh et al	2013
<i>RP1</i>	NM_006269.1	c.606C>A	p.(Asp202Glu)	sRP-047	1	KSA	Abu-Safieh et al	2013
<i>RP1</i>	NM_006269.1	c.1012C>T	p.(Arg338*)	sRP-084	1	KSA	Abu-Safieh et al	2013
<i>RP1</i>	NM_006269.1	c.3428del	p.(Asn1143Ilefs*25)	09DG00881	1	KSA	Patel et al	2016
<i>RP1</i>	NM_006269.1	c.3428del	p.(Asn1143Ilefs*25)	09DG00920	1	KSA	Patel et al	2016
<i>RP1</i>	NM_006269.1	c.3428del	p.(Asn1143Ilefs*25)	09DG01025	1	KSA	Patel et al	2016
<i>RP1</i>	NM_006269.1	c.662del	p.(Ala221Glyfs*43)	11DG2524	1	KSA	Patel et al	2016
<i>RP1</i>	NM_006269.1	c.1719_1723del	p.(Ser574Cysfs*7)	12DG1405	1	KSA	Patel et al	2016
<i>RP1</i>	NM_006269.1	c.606C>A	p.(Asp202Glu)	13DG1132	1	KSA	Patel et al	2016
<i>RP1</i>	NM_006269.1	c.3396G>A	p.(Trp1132*) **	15DG0607	1	KSA	Patel et al	2018
<i>RP1</i>	NM_006269.1	c.3396G>A	p.(Trp1132*) **	17DG0901	3	KSA	Patel et al	2018
<i>RP1</i>	NM_006269.1	c.3544_3545insAGAAAAGCTG	p.(Ala1182Glufs*20) **	Fam A	2	KSA	Albarry et al	2019
<i>RP1L1</i>	NM_178857.5	c.5959C>T	p.(Gln1987*)	12DG2561	1	KSA	Patel et al	2016
<i>RP1L1</i>	NM_178857.5	c.3955_3956insGGACTAAAGTAATAGAAAGGGCTGCAA GAAGAGAGGGTGCAAGTTAGAGG	p.(Glu1318_Ala1319insGlyThrLysValIleGluGlyLeuGlnGluGluArgValGlnLeuGlu) **	Fam B	1	KSA	Albarry et al	2019
<i>RPE65</i>	NM_000329.2	c.310G>C	p.(Gly104Arg)	arRP-F075	4	KSA	Abu-Safieh et al	2013
<i>RPE65</i>	NM_000329.2	c.131G>A	p.(Arg44Gln)	09DG00042	1	KSA	Patel et al	2016
<i>RPE65</i>	NM_000329.2	c.1366del	p.(Glu456Lysfs*30)	11DG2533	1	KSA	Patel et al	2016
<i>RPE65</i>	NM_000329.2	c.544C>T	p.(His182Tyr)	F5	3	Tunisia	Habibi et al	2016
<i>RPE65</i>	NG_008472.2 (NM_000329.2)	c.[1129-2A>G]	p.(=)	F6	2	Tunisia	Habibi et al	2016
<i>RPE65</i>	NM_000329.2	[c.271C>T];[c.515T>A]	p.[(Arg91Trp);(Val172Asp)]	F7	2	Tunisia	Habibi et al	2016
<i>RPE65</i>	NM_000329.2	c.993G>A	p.(Trp331*)	63	1	Emirates	Khan A O	2019
<i>RPE65</i>	NG_008472.2 (NM_000329.2)	c.(?-1)_(1128+1_1129-1)del	-	64	1	Emirates	Khan A O	2019
<i>SPATA7</i>	NM_018418.4	c.288T>A	p.(Cys96*)	11DG1400	1	KSA	Patel et al	2016
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	arRP-F002	8	KSA	Abu-Safieh et al	2013
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	arRP-F003	2	KSA	Abu-Safieh et al	2013
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	arRP-F013	3	KSA	Abu-Safieh et al	2013

<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	arRP-F015	2	KSA	Abu-Safieh et al	2013
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	arRP-F020	3	KSA	Abu-Safieh et al	2013
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	arRP-F052	2	KSA	Abu-Safieh et al	2013
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	arRP-F106	3	KSA	Abu-Safieh et al	2013
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	arRP-F121	3	KSA	Abu-Safieh et al	2013
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	sRP-010	1	KSA	Abu-Safieh et al	2013
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	sRP-021	1	KSA	Abu-Safieh et al	2013
<i>TULP1</i>	NM_003322.3	c.901C>T	(p.Gln301*)	-	1	Arabian Peninsula	Khan et al	2015
<i>TULP1</i>	NM_003322.4	c.901C>T	p.(Gln301*)	09DG00491	1	KSA	Patel et al	2016
<i>TULP1</i>	NM_003322.4	c.901C>T	p.(Gln301*)	09DG00492	1	KSA	Patel et al	2016
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	11DG0480	1	KSA	Patel et al	2016
<i>TULP1</i>	NG_009077.1 (NM_003322.4)	c.1495+1G>A	p.(=)	11DG1963	1	KSA	Patel et al	2016
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	12DG0751	1	KSA	Patel et al	2016
<i>TULP1</i>	NG_009077.1 (NM_003322.4)	c.1256G>A	p.(Arg419Gln)	12DG1758	1	KSA	Patel et al	2016
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	12DG2327	1	KSA	Patel et al	2016
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	13DG2124	1	KSA	Patel et al	2016
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	11DG1028	3	KSA	Patel et al	2018
<i>TULP1</i>	NM_003322.3	c.901C>T	p.(Gln301*)	11DG1052	1	KSA	Patel et al	2018
<i>USH2A</i>	NM_206933.2	c.842C>A	p.(Thr281Lys)	11DG1451	3	KSA	Patel et al	2018
<i>USH2A</i>	NM_206933.2	[c.2276G>T];[c.5776+1G>A]	p.[(Cys759Phe);p.(=)]	11DG1558	1	KSA	Patel et al	2016
<i>USH2A</i>	NG_009497.2 (NM_206933.2)	[c.1923T>A];[c.14294T>C]	p.[(Cys641*);(Val4765Ala)]	13DG0370	2	Jordan	Patel et al	2018
<i>USH2A</i>	NM_206933.2	c.4033G>C	p.(Ala1345Pro)	14DG0544	3	KSA	Patel et al	2018
<i>ZNF408</i>	NG_052967.1 (NM_024741.3)	c.653-1G>T	p.(=)	-	3	Tunisia	Habibi et al	2017

Supplementary Table 2: Identified variants in Arab individuals with dominant and x-linked rod cone dystrophy.

Gene	Ref_Seq	DNA change	Protein change	Status	Family/sample ID	N	Country	Authors/Year	Inheritance
<i>CRX</i>	NM_000554.4	c.695del	p.(Pro232Argfs*139)	Htz	09DG00180	1	KSA	Patel et al- 2016	adRCD
<i>CRX</i>	NM_000554.4	c.274G>A	p.(Ala92Thr)	Htz	09DG00976	1	KSA	Patel et al- 2016	adRCD
<i>CRX</i>	NM_000554.4	c.425A>G	p.(Tyr142Cys)	Htz	11DG2472	1	KSA	Patel et al- 2016	adRCD
<i>CRX</i>	NM_000554.4	c.425A>G	p.(Tyr142Cys)	Htz	12DG0648	1	KSA	Patel et al- 2016	adRCD
<i>PRPF8</i>	4-	c.6928A>G	p.(Arg2310Gly)	Htz	62	1	Emirates	Khan AO- 2019	adRCD
<i>SNRNP200</i>	NM_014014.4	c.6308A>G	p.(Asn2103Ser)	Htz	11DG0274	1	KSA	Patel et al- 2016	adRCD
<i>SNRNP200</i>	NM_014014.4	c.2593G>A	p.(Gly865Ser)	Htz	12DG0322	1	KSA	Patel et al- 2016	adRCD
<i>RP2</i>	NM_006915.2	c.2T>C	-	Hemi	12DG2227	1	KSA	Patel et al- 2016	xLRCD
<i>RP2</i>	NM_006915.2	c.352C>T	p.(Arg118Cys)	Hmz	10DG0873	1	KSA	Patel et al- 2016	xLRCD
<i>RPGR</i>		ORF15+588G>A	p.(Ala196Thr)	Hemi	-	-	Jordan	Haddad et al- 2016	xLRCD

Ref_Seq: Reference Sequence, N: Number of sequenced individuals, Htz: heterozygous, KSA: kingdom of Saudi Arabia, adRCD: autosomal dominant rod-cone dystrophy, Hemi: hemizygous, xLRCD: xLinked rod-cone dystrophy.

Supplementary Table 3: MeSH terms used to systematically screen all papers dealing with the genetics of rod cone dystrophy in the Arab Countries

Search	MeSH Terms
Search 1	rod cone dystrophy and (africa, northern[mesh] OR algeria[mesh] OR egypt[mesh] OR libya[mesh] OR morocco[mesh] OR tunisia[mesh] OR south sudan[mesh] OR sudan[mesh] OR middle east[mesh:noexp] OR bahrain[mesh] OR iraq[mesh] OR jordan[mesh] OR kuwait[mesh] OR lebanon[mesh] OR oman[mesh] OR qatar[mesh] OR saudi arabia[mesh] OR syria[mesh] OR united arab emirates[mesh] OR yemen[mesh] OR algeria*[tw] OR somalia[mesh] OR mauritania[mesh] OR djibouti[mesh] OR arabs[mesh] OR comoros[mesh] OR bahrain*[tw] OR egypt*[tw] OR iraq*[tw] OR jordan*[tw] OR kuwait*[tw] OR lebanon[tw] OR lebanese[tw] OR libanaise[tw] OR yemen*[tw] OR aden[tw] OR sanaa[tw] OR UAE[tw] OR emirat*[tw] OR abu-dhabi[tw] OR dubai[tw] OR libya*[tw] OR morocco[tw] OR moroccan*[tw] OR oman*[tw] OR muscat[tw] OR palestine*[tw] OR gaza[tw] OR west-bank[tw] OR qatar*[tw] OR katar*[tw] OR quatar*[tw] OR saudi*[tw] OR KSA[tw] OR syria*[tw] OR tunis*[tw] OR ifni[tw] OR trucional state*[tw] OR comoros*[tw] OR north africa*[tw] OR northern Africa*[tw] OR sudan*[tw] OR MENA[tw] OR EMRO[tw] OR middle east*[tw] OR east mediterranean[tw] OR eastern mediterranean[tw] OR near east*[tw] OR orient[tw] OR arabs[tw] OR arab[tw] OR arabia[tw] OR somali*[tw] OR mauritania*[tw] OR djibouti*[tw] OR levant[tw])
Search 2	retinitis pigmentosa and (africa, northern[mesh] OR algeria[mesh] OR egypt[mesh] OR libya[mesh] OR morocco[mesh] OR tunisia[mesh] OR south sudan[mesh] OR sudan[mesh] OR middle east[mesh:noexp] OR bahrain[mesh] OR iraq[mesh] OR jordan[mesh] OR kuwait[mesh] OR lebanon[mesh] OR oman[mesh] OR qatar[mesh] OR saudi arabia[mesh] OR syria[mesh] OR united arab emirates[mesh] OR yemen[mesh] OR algeria*[tw] OR somalia[mesh] OR mauritania[mesh] OR djibouti[mesh] OR arabs[mesh] OR comoros[mesh] OR bahrain*[tw] OR egypt*[tw] OR iraq*[tw] OR jordan*[tw] OR kuwait*[tw] OR lebanon[tw] OR lebanese[tw] OR libanaise[tw] OR yemen*[tw] OR aden[tw] OR sanaa[tw] OR UAE[tw] OR emirat*[tw] OR abu-dhabi[tw] OR dubai[tw] OR libya*[tw] OR morocco[tw] OR moroccan*[tw] OR oman*[tw] OR muscat[tw] OR palestine*[tw] OR gaza[tw] OR west-bank[tw] OR qatar*[tw] OR katar*[tw] OR quatar*[tw] OR saudi*[tw] OR KSA[tw] OR syria*[tw] OR tunis*[tw] OR ifni[tw] OR trucional state*[tw] OR comoros*[tw] OR north africa*[tw] OR northern Africa*[tw] OR sudan*[tw] OR MENA[tw] OR EMRO[tw] OR middle east*[tw] OR east mediterranean[tw] OR eastern mediterranean[tw] OR near east*[tw] OR orient[tw] OR arabs[tw] OR arab[tw] OR arabia[tw] OR somali*[tw] OR mauritania*[tw] OR djibouti*[tw] OR levant[tw])
Search 3	inherited retinal diseases and (africa, northern[mesh] OR algeria[mesh] OR egypt[mesh] OR libya[mesh] OR morocco[mesh] OR tunisia[mesh] OR south sudan[mesh] OR sudan[mesh] OR middle east[mesh:noexp] OR bahrain[mesh] OR iraq[mesh] OR jordan[mesh] OR kuwait[mesh] OR lebanon[mesh] OR oman[mesh] OR qatar[mesh] OR saudi arabia[mesh] OR syria[mesh] OR united arab emirates[mesh] OR yemen[mesh] OR algeria*[tw] OR somalia[mesh] OR mauritania[mesh] OR djibouti[mesh] OR arabs[mesh] OR comoros[mesh] OR bahrain*[tw] OR egypt*[tw] OR iraq*[tw] OR jordan*[tw] OR kuwait*[tw] OR lebanon[tw] OR lebanese[tw] OR libanaise[tw] OR yemen*[tw] OR aden[tw] OR sanaa[tw] OR UAE[tw] OR emirat*[tw] OR abu-dhabi[tw] OR dubai[tw] OR libya*[tw] OR morocco[tw] OR moroccan*[tw] OR oman*[tw] OR muscat[tw] OR palestine*[tw] OR gaza[tw] OR west-bank[tw] OR qatar*[tw] OR katar*[tw] OR quatar*[tw] OR saudi*[tw] OR KSA[tw] OR syria*[tw] OR tunis*[tw] OR ifni[tw] OR trucional state*[tw] OR comoros*[tw] OR north africa*[tw] OR northern Africa*[tw] OR sudan*[tw] OR MENA[tw] OR EMRO[tw] OR middle east*[tw] OR east mediterranean[tw] OR eastern mediterranean[tw] OR near east*[tw] OR orient[tw] OR arabs[tw] OR arab[tw] OR arabia[tw] OR somali*[tw] OR mauritania*[tw] OR djibouti*[tw] OR levant[tw])
Search 4	retinal dystrophies and (africa, northern[mesh] OR algeria[mesh] OR egypt[mesh] OR libya[mesh] OR morocco[mesh] OR tunisia[mesh] OR south sudan[mesh] OR sudan[mesh] OR middle east[mesh:noexp] OR bahrain[mesh] OR iraq[mesh] OR jordan[mesh] OR kuwait[mesh] OR lebanon[mesh] OR oman[mesh] OR qatar[mesh] OR saudi arabia[mesh] OR syria[mesh] OR united arab emirates[mesh] OR yemen[mesh] OR algeria*[tw] OR somalia[mesh] OR mauritania[mesh] OR djibouti[mesh] OR arabs[mesh] OR comoros[mesh] OR bahrain*[tw] OR egypt*[tw] OR iraq*[tw] OR jordan*[tw] OR kuwait*[tw] OR lebanon[tw] OR lebanese[tw] OR libanaise[tw] OR yemen*[tw] OR aden[tw] OR sanaa[tw] OR UAE[tw] OR emirat*[tw] OR abu-dhabi[tw] OR dubai[tw] OR libya*[tw] OR morocco[tw] OR moroccan*[tw] OR oman*[tw] OR muscat[tw] OR palestine*[tw] OR gaza[tw] OR west-bank[tw] OR qatar*[tw] OR katar*[tw] OR quatar*[tw] OR saudi*[tw] OR KSA[tw] OR syria*[tw] OR tunis*[tw] OR ifni[tw] OR trucional state*[tw] OR comoros*[tw] OR north africa*[tw] OR northern Africa*[tw] OR sudan*[tw] OR MENA[tw] OR EMRO[tw] OR middle east*[tw] OR east mediterranean[tw] OR eastern mediterranean[tw] OR near east*[tw] OR orient[tw] OR arabs[tw] OR arab[tw] OR arabia[tw] OR somali*[tw] OR mauritania*[tw] OR djibouti*[tw] OR levant[tw])

Search 5	rod cone dystrophy or retinitis pigmentosa or inherited retinal diseases or retinal dystrophies or inherited retinal disease or retinal dystrophy) and (africa, northern[mesh] OR algeria[mesh] OR egypt[mesh] OR libya[mesh] OR morocco[mesh] OR tunisia[mesh] OR south sudan[mesh] OR sudan[mesh] OR middle east[mesh:noexp] OR bahrain[mesh] OR iraq[mesh] OR jordan[mesh] OR kuwait[mesh] OR lebanon[mesh] OR oman[mesh] OR qatar[mesh] OR saudi arabia[mesh] OR syria[mesh] OR united arab emirates[mesh] OR yemen[mesh] OR algeria*[tw] OR somalia[mesh] OR mauritania[mesh] OR djibouti[mesh] OR arabs[mesh] OR comoros[mesh] OR bahrain*[tw] OR egypt*[tw] OR iraq*[tw] OR jordan*[tw] OR kuwait*[tw] OR lebanon[tw] OR lebanese[tw] OR libanaise[tw] OR yemen*[tw] OR aden[tw] OR sanaa[tw] OR UAE[tw] OR emirat*[tw] OR abu-dhabi[tw] OR dubai[tw] OR libya*[tw] OR morocco[tw] OR moroccan*[tw] OR oman*[tw] OR muscat[tw] OR palestin*[tw] OR gaza[tw] OR west-bank[tw] OR qatar*[tw] OR katar*[tw] OR quatar*[tw] OR saudi*[tw] OR KSA[tw] OR syria*[tw] OR tunis*[tw] OR ifni[tw] OR trucial state*[tw] OR comoros*[tw] OR north africa*[tw] OR northern Africa*[tw] OR sudan*[tw] OR MENA[tw] OR EMRO[tw] OR middle east*[tw] OR east mediterranean[tw] OR eastern mediterranean[tw] OR near east*[tw] OR orient[tw] OR arabs[tw] OR arab[tw] OR arabia[tw] OR somali*[tw] OR mauritania*[tw] OR djibouti*[tw] OR levant[tw])
Search 6	retinal dystrophy and (africa, northern[mesh] OR algeria[mesh] OR egypt[mesh] OR libya[mesh] OR morocco[mesh] OR tunisia[mesh] OR south sudan[mesh] OR sudan[mesh] OR middle east[mesh:noexp] OR bahrain[mesh] OR iraq[mesh] OR jordan[mesh] OR kuwait[mesh] OR lebanon[mesh] OR oman[mesh] OR qatar[mesh] OR saudi arabia[mesh] OR syria[mesh] OR united arab emirates[mesh] OR yemen[mesh] OR algeria*[tw] OR somalia[mesh] OR mauritania[mesh] OR djibouti[mesh] OR arabs[mesh] OR comoros[mesh] OR bahrain*[tw] OR egypt*[tw] OR iraq*[tw] OR jordan*[tw] OR kuwait*[tw] OR lebanon[tw] OR lebanese[tw] OR libanaise[tw] OR yemen*[tw] OR aden[tw] OR sanaa[tw] OR UAE[tw] OR emirat*[tw] OR abu-dhabi[tw] OR dubai[tw] OR libya*[tw] OR morocco[tw] OR moroccan*[tw] OR oman*[tw] OR muscat[tw] OR palestin*[tw] OR gaza[tw] OR west-bank[tw] OR qatar*[tw] OR katar*[tw] OR quatar*[tw] OR saudi*[tw] OR KSA[tw] OR syria*[tw] OR tunis*[tw] OR ifni[tw] OR trucial state*[tw] OR comoros*[tw] OR north africa*[tw] OR northern Africa*[tw] OR sudan*[tw] OR MENA[tw] OR EMRO[tw] OR middle east*[tw] OR east mediterranean[tw] OR eastern mediterranean[tw] OR near east*[tw] OR orient[tw] OR arabs[tw] OR arab[tw] OR arabia[tw] OR somali*[tw] OR mauritania*[tw] OR djibouti*[tw] OR levant[tw])

Supplementary Table 4.

Gene	Description
<i>Calcium binding protein 4 (CABP4)</i>	Three Saudi individuals carrying a homozygous frameshift insertion were reported until today. <i>CABP4</i> is known for its association with recessive Leber Congenital Amaurosis (20157620) and Congenital stationary night blindness (16960802).
<i>Cadherin-Related Family, Member 1 (CDHR1)</i>	Despite its known association with Cone and Cone-rod dystrophy, Patel et al, reported mutations among three Saudi cases with arRCD c.476C>A; p.Ala159Glu, c.1536T>A; p.Tyr512* and c.709del; p.Glu237Argfs*30 in (26355662) and in a Palestinian one; c.338del; p.(Gly113Alafs*2) (30054919) .
<i>Cyclic Nucleotide-Gated Channel, Alpha-3 (CNGA3) and Wd Repeat-Containing Protein 19 (WDR19)</i>	Furthermore, Patel et al reported two homozygous missense in c.2050G>A; p.Gly684Arg and c.2777G>T; p.Ser926Ile in <i>CNGA3</i> and <i>WDR19</i> respectively, the two genes previously shown to be associated with syndromic forms of retinal dystrophies (26355662).
<i>Endoplasmic Reticulum Membrane Protein Complex, Subunit 1 (EMC1), G-Protein Coupled Receptor 125 (GPR125) and KIAA1549</i>	Abu-Safieh et al in 2013 identified homozygous mutations; c.430G>A; p.Ala144Thr, c.2504C>G;p.Ser835Cys, c.2399_2400insAA: p.(Glu801Metfs*9) in novel genes, not previously known for their association with non-syndromic arRCD such as <i>EMC1</i> , <i>GPR125</i> and <i>KIAA1549</i> genes respectively among (23105016). Direct sequencing of patients from the replication cohort revealed a patient who is homozygous for the same mutation in <i>EMC1</i> but not <i>GPR125</i> or <i>KIAA1549</i> . It is of importance to mention that the three previously mentioned genes are found exclusively mutated in Arabic populations.
<i>Potassium channel subfamily V member 2 (KCNV2)</i>	One nonsense mutation; c.427G>T; p.(Glu143*) in <i>KCNV2</i> was recurrently identified in 6 Saudi individuals with arRCD (26355662, 23105016) despite being a gene that is known to cause cone dystrophy (16909397).
<i>Leber Congenital Amaurosis 5 (LCA5)</i>	Using WES, Abu Safieh et al in 2013 reported a homozygous frameshift deletion in <i>LCA5</i> : c.256del; p.(Gln86Argfs*25) carried by a Saudi Arabian individual (23105016). Although <i>LCA5</i> is known for its association with leber congenital amaurosis, Abu Safieh et al reported it with arRCD.
<i>Otogelin Like (OTOGL)</i>	In an Algerian family with arRCD, Astuti et al recently identified Segregating compound heterozygous variants c.2318C>T and c.2833C>T; p.(Pro773Leu) and p.(Arg945*) were identified in <i>Otogelin Like (OTOGL)</i> (29320387). Segregation was done in all family members. Of importance, this variation occurs was found homozygous in two supposed health persons from ExAC database (29320387), an observation that decreases the plausibility of being considered as pathogenic. In additionm, pathogenic mutations in <i>OTOGL</i> are associated with sensorineural hearing loss. Since the authors admit that homozygosity mapping indicates two homozygous regions in which no currently known IRD-associated genes appear (29320387), we think that all of the above does not support <i>OTOGL</i> as RCD gene and favors the implication of a novel gene.

<i>Peripherin 2 (PRPH2)</i>	Although admitted by Abu Safieh et al, that <i>PRPH2</i> is not known for its association with arRCD, the authors reported a Saudi Arabian simplex case having a homozygous missense in this gene; c.1013A>G; p.(Asp338Gly) (23105016).
<i>Retinol Dehydrogenase 12 (RDH12)</i>	Three recurrent missense mutations; c.139G>A; p.(Ala47Thr), c.226G>C; p.(Gly76Arg), c.464C>T; p.Thr155Ile17 were identified in 10 individuals from three different countries (KSA, Morocco and Algeria) (24625443, 26355662, 30054919). Although known for causing dominant RCD, the autosomal recessive cases of RDH12 are seen with leber congenital amaurosis (15322982).
<i>Retinitis Pigmentosa Gtpase Regulator-Interacting Protein (RPGRIP1)</i>	Similar to <i>RLBP1</i> , a nonsense mutation; c.154C>T, p.(Arg52*) in <i>RPGRIP1</i> was found also associated with RPA in an individual from Saudi Arabia using autozygome guided sequencing (23105016).

Supplementary Table 5: List of individuals with rod cone dystrophy reported in more than one study.

<i>Gene</i>	Ref_Seq	Change at DNA level	Change at Protein level	Status	Family/ sample ID	N	Origin	Authors	Year
<i>CYP4V2</i>		c.1348C>T	p.Gln450*	Hm	-	2	Middle East	Lin et al	2005
<i>MERTK</i>		9 kb deletion removing exon 8.	-	Hm	A	2	Middle Eastern	Mackay et al	2010
<i>RP1</i>	NM_006269.1	c.4552A>T	p. (Lys1518*)	Hm	arPR-F028	4	KSA	Abu-Safieh et al	2013
<i>RP1</i>	NM_006269.1	c.3428 delA	p.(Asn1143Ilefs*25)	Hm	arRP-F043	4	KSA	Abu-Safieh et al	2013
<i>RP1</i>	NM_006269.1	c.3428 delA	p.(Asn1143Ilefs*25)	Hm	arRP-F084	4	KSA	Abu-Safieh et al	2013
<i>RP1</i>	NM_006269.1	c.3677_3678dupA	p.(Glu1227Metfs*29)	Hm	arRP-F101	4	KSA	Abu-Safieh et al	2013
<i>RP1</i>	NM_006269.1	c.662delC	p.(Ala221Glyfs*20)	Hm	DGU-F1	3	KSA	Abu-Safieh et al	2013
<i>RP1</i>	NM_006269.1	c.3396G>A	p.(Trp1131*)	Hm	sRP-019	1	KSA	Abu-Safieh et al	2013
<i>MERTK</i>	NM_006343.2	c.1335_1336del	p.(Ala446Serfs*28)	Hm	DGU-F16	3	KSA	Abu-Safieh et al	2013
<i>CRB1</i>	NM_201253.2	c.3495T>G	p.(Cys1165Trp)	Hm	DGU-F11	4	KSA	Abu-Safieh et al	2013
<i>MKKS</i>	NM_018848.3	c.295T>C	p.(Cys99Arg)	hmz	11DG1165	1	ksa	Patel et al	2016
<i>GPR179</i>	NM_001004334.3	c.349G>A	p.(Asp117Asn)	Hm	14DG0286	1	KSA	Patel et al	2016
<i>CRX</i>	NM_000554.4	c.695del	p.(Pro232Argfs*139)	N.A	09DG00180	1	KSA	Patel et al	2016
<i>CRX</i>	NM_000554.4	c.274G>A	p.(Ala92Thr)	N.A	09DG00976	1	KSA	Patel et al	2016
<i>CRX</i>	NM_000554.4	c.425A>G	p.(Tyr142Cys)	N.A	11DG2472	1	KSA	Patel et al	2016
<i>CRX</i>	NM_000554.4	c.425A>G	p.(Tyr142Cys)	N.A	12DG0648	1	KSA	Patel et al	2016
<i>BBS4</i>	NM_033028.4	c.1311_1312insT & c.262del	p.(Lys438*) & p.(Glu88Asnfs*54)	C Ht	12DG0398	1	KSA	Patel et al	2016
<i>MERTK</i>	NM_006343.2	c.2262C>G	p.(Tyr754*)	Hm	-	1	KSA	Audo et al	2018
<i>MERTK</i>	NM_006343.2	c.325A>T	p.(Lys109*)	Hm	-	1	KSA	Audo et al	2018
<i>MERTK</i>	NM_006343.2	c.1335_1336del	p.(Ala446Serfs*28)	Hm	-	1	KSA	Audo et al	2018
<i>MERTK</i>	NM_006343.2	c.2214del	p.(Cys738Trpfs*32)	Hm	F1281	1	Middle East (ksa)	Audo et al	2018
<i>IMPG2</i>	NM_016247.3	c.189dup	p.(Gln64Thrfs*9)	hmz	40	1	Emirates	Khan A O	2019
<i>IMPG2</i>	NM_016247.3	c.533+4_533+7del	(p.?)	hmz	41	1	Emirates	Khan A O	2019
<i>IMPG2</i>	NM_016247.3	c.3262C>T	p.(Arg1088*)	hmz	42	1	Emirates	Khan A O	2019
<i>IMPG2</i>	NM_016247.3	189dup	p.(Gln64Thrfs*9)	hmz	43	1	Emirates	Khan A O	2019