INVITAE

ORDER ONLINE at www.invitae.com/signin.

ORDER ID
For Invitae internal use only

INVITAE REQUISITION FORM

PATIENT INFORMATION

First name | MI | Last name | Date of birth (MM/DD/YYYY)

Biological sex: ○ Male ○ Female

MRN (medical record number)

Ancestry: ○ Asian ○ Black/African American ○ White/Caucasian ○ Ashkenazi Jewish ○ Hispanic ○ Native American ○ Pacific Islander ○ French Canadian ○ Sephardic Jewish ○ Mediterranean ○ Other: _____

Email address (for billing contact and report access after clinician releases)

Mobile phone (for billing contact)

Address

City | State/Prov | Zip/Postal code | Country

Ship a saliva kit to this patient (to submit this request, fax this completed requisition form to Invitae Client Services at 415-276-4164)

○ Ship kit to address above ○ Ship kit to alternate address: _____

CLINICAL INFORMATION

Organization name	Phone	Fax

Address	City	State/Prov	ZIP/Postal Code	Country

CLINICAL TEAM

Primary clinical contact (contact for general inquires)

Name	NPI	Email address (for report access)

Ordering provider ○ Same as primary clinical contact

For your convenience, we have provided multiple fields below to pre-populate your organization's provider list. For each order, indicate one ordering provider.

	Name	NPI	Email address (for report access)
○			
○			
○			
○			
○			

Additional clinical or laboratory contacts (optional; share online access to this order with the contacts below)

○ Share this order with the primary clinical contact's default clinical team (establish and manage team online at www.invitae.com/signin)

Name	Email address (for report access)	Name	Email address (for report access)
Name	Email address (for report access)	Name	Email address (for report access)

○ INSURANCE BILLING (attach front and back of insurance card)

Attach clinical notes, medical records, and/or letter of medical necessity (LMN) to prevent delays. We do not accept insurance for certain tests *or* patients outside the US. www.invitae.com/billing

Policyholder name	Patient relationship to policyholder: ○ Self ○ Spouse ○ Child ○ Other: _____			Medicare insurance billing only (select one): ○ Patient was treated as a hospital inpatient (more than a 24 hour stay) in the last 14 days ○ Not a hospital patient
Primary insurance company name	Primary member ID#	Primary insurance phone	Prior-authorization #	
Secondary insurance company name	Secondary member ID#	Secondary insurance phone	Prior-authorization #	

○ PATIENT PAY BILLING

Invitae will send an electronic invoice to the patient email listed above. Insurance will not be billed.

○ INSTITUTIONAL BILLING

Invitae will send an invoice to the organization address above. Please contact Invitae if this order should be billed to a different location.

○ PARTNERSHIP PROGRAMS

Invitae partner code:

INVITAE

Patient's first name

Patient's last name

INVITAE DIAGNOSTIC REQUISITION FORM

SPECIMEN INFORMATION

Label each tube with the patient's full name, date of birth, and specimen collection date. A requisition form MUST accompany each specimen. www.invitae.com/specimen-requirements

Collection date (MM/DD/YYYY)

If not provided, date will be 1 day prior to our receipt of specimen. For DNA, provide date retrieved from archive.

Specimen type

◯ Blood ◯ Saliva ◯ DNA - source: _____

DNA must be extracted in a CLIA or other suitably certified laboratory. We are unable to accept blood or saliva from patients with allogeneic bone marrow transplants or a blood transfusion <2 weeks prior to specimen collection.

Specimen ID (IB # on tube):

Is this patient deceased? ◯ Yes ◯ No

Deceased date (MM/DD/YYYY)

REASON FOR TESTING

Primary indication:

ONCOLOGY

◯ Hereditary breast and ovarian cancer (HBOC) syndrome
◯ Lynch syndrome
◯ Polyposis (FAP)
◯ Other: _____

CARDIOLOGY

◯ Aortopathy
◯ Cardiomyopathy
◯ Arrhythmia
◯ Other: _____

OTHER

◯ Neurology
◯ Other: _____

ICD-10 codes (required for insurance billing)

PERSONAL HISTORY

Is/was this patient affected or symptomatic†? ◯ Yes ◯ No If yes, describe below and attach clinical notes.

Age at diagnosis: _____

†Symptomatic means the patient has features or signs known or suspected to be related to the genetic testing being ordered and could include findings on physical examination, laboratory tests, or imaging.

Is there a hematological malignancy in this patient (current or history of)? ◯ Yes ◯ No

Has this patient had genetic testing before? ◯ Yes ◯ No If yes, write test results and attach the report.

FAMILY HISTORY

Is there a family history of disease for which the patient is being tested? ◯ Yes ◯ No

If yes, describe below and attach pedigree and/or clinical notes.

Relationship to patient	Maternal or paternal	Diagnosed condition	Age at diagnosis

TEST SELECTION

OPTION 1: SELECT AN INVITAE PANEL FROM OUR TEST CATALOG

Select your desired test(s) from the attached test catalog and discard any pages without a selection.

OPTION 2: INVITAE TEST CODE

Indicate test IDs here (reference www.invitae.com/tests or our test catalog). Test IDs containing add-on codes will include the original panel as well as the add-on.

Test code	Add-on code (optional)	Test code	Add-on code (optional)

OR

Invitae supports customization of your test. To create a custom panel, log in to your Invitae portal account or contact Client Services. Then indicate the ID associated with that panel here.

Custom panel ID

OPTION 3: FAMILY FOLLOW-UP TESTING

Invitae family follow-up testing is available at no additional charge for blood relatives of patients who receive pathogenic or likely pathogenic results (or approved VUS). Learn more at www.invitae.com/family.

Invitae proband RQ# _____

Relationship to proband _____

Gene(s) _____

Variant(s) _____

Invitae's family follow-up testing analyzes the variant(s) indicated above. If you would like this report to include any variants of uncertain significance and be eligible for re-requisition, please include billing information on this requisition form and check here: ☐

AUTOMATIC REFLEX: Invitae offers one re-requisition at no additional charge for tests within the same clinical area (www.invitae.com/re-requisition). Preschedule it here or in your Invitae portal.

Conditions for reflex: ◯ Regardless of initial results ◯ Only if negative (no pathogenic/likely pathogenic results)

Reflex test: **Test code** . **Add-on code (optional)**

By signing this form, the medical professional acknowledges that the individual/family member authorized to make decisions for the individual (collectively, the "Patient") has been supplied information regarding and consented to undergo genetic testing, substantially as set forth in Invitae's Informed Consent for Genetic Testing (www.invitae.com/forms). For orders originating outside the US, the Patient has been informed their personal information and specimen will be transferred to and processed in the US. The Patient has been informed that Invitae may notify them of clinical updates related to genetic test results (in consultation with the ordering medical professional). If insurance billing is selected, the Patient has been informed and authorizes Invitae Corporation ("Invitae") and its designees to release information concerning testing to their insurer. The medical professional agrees to allow Invitae (1) to transfer the information from this TRF to a letter of medical necessity and/or other documentation using the medical professional's name as the signature as well as (2) assist the patient in obtaining pre-test genetic counseling from a third-party service, as required by the patient's insurance provider. I acknowledge that the Patient has agreed that if the Patient's insurer does not reimburse Invitae in full for any reason then Invitae may bill the Patient for the services and the Patient will remit payment to Invitae. For amounts the Patient receives from the insurer, the Patient has agreed to remit payment to Invitae for services rendered. I acknowledge that I offered pre-test genetic counseling to the Patient, if required by their insurer. I attest that I am authorized under applicable law to order this test.

Medical professional signature (required)

Date (MM/DD/YYYY)

WITHIN THE US | p: 800-436-3037 | f: 415-276-4164 | e: clientservices@invitae.com | OUTSIDE THE US | p: +1 415-930-4018 | www.invitae.com/contact | e: globalsupport@invitae.com
INVITAE | 1400 16th Street, San Francisco, CA 94103, USA | www.invitae.com |

IMMUNOLOGY TEST CATALOG

All tests on this form are organized by clinical area. If your order contains tests from multiple clinical areas, you will need to send a separate specimen for each clinical area. Each clinical area represents an individual billable event and report. Contact Client Services with any questions. For Invitae's full test menu, please visit **www.invitae.com**.

CLINICAL AREA: METABOLIC NEWBORN SCREENING AND IMMUNOLOGY

Test code	Test name		# gene(s)	Gene list
Primary Immunodeficiency				
○ 08100	Invitae Primary Immunodeficiency Panel		407	ACD, ACP5, ACTB, ADA, ADA2, ADAM17, ADAR, AICDA, AIRE, AK2, ALG6, ANGPT1, ANKZF1, AP3B1, AP3D1, ARHGEF1, ARPC1B, ASAH1, ATM, ATP6AP1, B2M, BACH2, BCL10, BCL11B, BLM, BLNK, BLOC1S3, BLOC1S6, BTK, C17orf62, C1QA, C1QB, C1QC, C1S, C2, C3, C5, C6, C7, C8A, C8B, C9, CARD11, CARD14, CARD8, CARD9, CARMIL2, CASP10, CASP8, CBL, CCBE1, CD19, CD247, CD27, CD3D, CD3E, CD3G, CD40, CD40LG, CD46, CD55, CD59, CD79A, CD79B, CD81, CD8A, CDC42, CDCA7, CEBPE, CFB, CFD, CFH, CFI, CFP, CHD7, CIB1, CIITA, CLCN7, CLPB, COL7A1, COPA, CORO1A, CR2, CSF2RA, CSF2RB, CSF3R, CTC1, CTLA4, CTPS1, CTSC, CXCR2, CXCR4, CYBA, CYBB, CYP27A1, DCLRE1C, DDX58, DEF6, DGAT1, DIAPH1, DKC1, DNAJC21, DNASE1L3, DNASE2, DNMT3B, DOCK2, DOCK8, DSG1, DTNBP1, DUOX2, EFL1, EIF2AK3, ELANE, EPG5, ERBIN, ERCC2, ERCC3, ERCC6L2, EXTL3, FADD, FANCA, FANCB, FANCE, FANCF, FANCI, FANCL, FAS, FASLG, FAT4, FCHO1, FERMT1, FERMT3, FOXI3, FOXN1, FOXP3, FPR1, G6PC, G6PC3, G6PD, GATA2, GFI1, GINS1, GTF2E2, GTF2H5, GUCY2C, HAX1, HELLS, HMOX1, HPS1, HPS3, HPS4, HPS5, HPS6, HTRA2, HYOU1, ICOS, ICOSLG, IFIH1, IFNAR1, IFNAR2, IFNGR1, IFNGR2, IGLL1, IKBKB, IL10, IL10RA, IL10RB, IL12B, IL12RB1, IL12RB2, IL17F, IL17RA, IL17RC, IL1RN, IL21, IL21R, IL23R, IL2RA, IL2RB, IL2RG, IL36RN, IL6R, IL6ST, IL7R, IRAK4, IRF2BP2, IRF4, IRF7, IRF8, IRF9, ISG15, ITCH, ITGAM, ITGB2, ITK, JAGN1, JAK1, JAK3, KDM6A, KMT2A, KMT2D, LAMTOR2, LAT, LCK, LCT, LIG1, LIG4, LIPA, LPIN2, LRBA, LRRC8A, LYN, LYST, MAGT1, MALT1, MAP3K14, MCM4, MEFV, MKL1, MOGS, MPLKIP, MS4A1, MSN, MTHFD1, MVK, MYD88, MYO5B, MYSM1, NBAS, NBN, NCF2, NCF4, NCSTN, NEUROG3, NFAT5, NFE2L2, NFKB1, NFKB2, NFKBIA, NHEJ1, NHP2, NLRC4, NLRP1, NLRP12, NLRP3, NOD2, NOP10, NSMCE3, OAS1, ORAI1, OSTM1, OTULIN, PARN, PAX1, PEPD, PGM3, PIK3CD, PIK3R1, PLCG2, PMM2, PNP, POLA1, POLD1, POLE, POLE2, POLR3A, POMP, PRF1, PRKCD, PRKDC, PSENEN, PSMA3, PSMB4, PSMB8, PSMG2, PSTPIP1, PTPRC, RAB27A, RAC2, RAG1, RAG2, RANBP2, RASGRP1, RBCK1, RELA, RELB, RFX5, RFXANK, RFXAP, RHOH, RIPK1, RMRP, RNASEH2A, RNASEH2B, RNASEH2C, RNF113A, RNF168, RNF31, RNU4ATAC, RORC, RPSA, RTEL1, SAMD9, SAMD9L, SAMHD1, SAR1B, SCO2, SEC61A1, SEMA3E, SERPING1, SH2D1A, SH3BP2, SH3KBP1, SI, SIAE, SKIV2L, SLC26A3, SLC29A3, SLC35C1, SLC37A4, SLC39A7, SLC46A1, SLC5A1, SLC7A7, SLC9A3, SLX4, SMARCAL1, SMARCD2, SNX10, SP110, SPINK5, SPINT2, SPPL2A, SRP54, SRP72, STAT1, STAT2, STAT3, STAT4, STAT5B, STIM1, STK4, STN1, STX11, STX3, STXBP2, TAOK2, TAP1, TAP2, TAPBP, TAZ, TBX1, TCF3, TCIRG1, TCN2, TERC, TERT, TFRC, TGFB1, TGFBR1, TGFBR2, THBD, TICAM1, TIMM50, TINF2, TLR3, TMC6, TMC8, TMEM173, TNFAIP3, TNFRSF11A, TNFRSF13B, TNFRSF13C, TNFRSF1A, TNFRSF4, TNFRSF6B, TNFRSF9, TNFSF11, TNFSF12, TONSL, TOP2B, TP63, TPP2, TRAF3, TRAF3IP2, TREX1, TRNT1, TTC37, TTC7A, TYK2, UNC13D, UNC45A, UNC93B1, UNG, USB1, VAV1, VPS13B, VPS45, WAS, WDR1, WIPF1, WRAP53, XIAP, ZAP70, ZBTB24, ZCCHC8, ZNF341
Antibody Deficiencies				
○ 08111	Invitae Agammaglobulinemia Panel		6	BLNK, BTK, CD79A, CD79B, IGLL1, PIK3R1
	○ 08111.1	Add-on hypogammaglobulinemia genes	5	GATA2, MOGS, SH2D1A, TRNT1, XIAP
	○ 08111.2	Add-on common variable immunodeficiency genes	20	CD27, CR2, CTLA4, DCLRE1C, ICOS, IL21, IL21R, JAK3, LRBA, NFKB2, PIK3CD, PLCG2, PRKCD, RAC2, RAG1, STAT3, STXBP2, TNFRSF13B, TNFRSF13C, TNFSF12
○ 08112	Invitae Common Variable Immunodeficiency Panel		17	CD27, CR2, CTLA4, ICOS, IL21, IL21R, LRBA, NFKB2, PIK3CD, PIK3R1, PLCG2, PRKCD, RAC2, STAT3, TNFRSF13B, TNFRSF13C, TNFSF12
	○ 08112.1	Add-on primary immunodeficiencies that can mimic common variable immunodeficiency	6	DCLRE1C, GATA2, JAK3, RAG1, RAG2, STXBP2
	○ 08112.2	Add-on agammaglobulinemia/ hypogammaglobulinemia genes	10	BLNK, BTK, CD79A, CD79B, GATA2, IGLL1, MOGS, SH2D1A, TRNT1, XIAP

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IMMUNOLOGY TEST CATALOG

CLINICAL AREA: METABOLIC NEWBORN SCREENING AND IMMUNOLOGY

Test code	Test name	# gene(s)	Gene list
Antibody Deficiencies (continued)			
○ 08113	Invitae Hyper IgE Syndrome Panel	4	DOCK8, PGM3, SPINK5, STAT3
○ 08114	Invitae Hyper IgM Syndrome Panel	3	AICDA, CD40LG, UNG
○ 08114.1	Add-on clinically overlapping genes	3	BTK, IL2RG, SH2D1A
Autoinflammatory Syndromes			
○ 08120	Invitae Autoinflammatory Syndromes Panel	72	ACP5, ADA, ADA2, ADAR, ADAM17, AICDA, BTK, CARD14, CD3G, CD40LG, CTLA4, COPA, CYBA, CYBB, DCLRE1C, DKC1, DOCK8, ELANE, FOXP3, G6PC3, ICOS, IFIH1, IL10, IL10RA, IL10RB, IL1RN, IL21, IL2RA, IL2RG, IL36RN, ITGB2, LIG4, LPIN2, LRBA, MEFV, MVK, NCF2, NCF4, NFAT5, NLRC4, NLRP12, NLRP3, NOD2, PIK3CD, PIK3R1, PLCG2, PSMB8, PSTPIP1, RAG1, RAG2, RBCK1, RNASEH2A, RNASEH2B, RNASEH2C, RTEL1, SAMHD1, SH2D1A, SH3BP2, SLC29A3, SLC37A4, STAT1, STAT3, STIM1, STXBP2, TMEM173, TNFRSF1A, TREX1, TRNT1, TTC7A, WAS, XIAP, ZAP70
○ 08120.1	Add-on Autoimmunity Genes	37	AIRE, AP3B1, BLOC1S6, CASP10, CASP8, CD27, CR2, FADD, FAS, FASLG, IL21R, ITCH, ITK, LYST, MAGT1, NFKB2, NFKBIA, ORAI1, PNP, PRF1, PRKCD, RAB27A, RAC2, RFX5, RFXANK, RFXAP, RMRP, SLC7A7, STAT5B, STX11, TBX1, TNFRSF13B, TNFRSF13C, TNFSF12, TPP2, UNC13D, UNG
○ 04313	Invitae Familial Mediterranean Fever Test	1	MEFV
○ 04313.1	Add-on additional periodic fever syndromes genes	11	ADA2, ELANE, LPIN2, MVK, NLRC4, NLRP12, NLRP3, PSMB8, PSTPIP1, TNFRSF1A, TRNT1
○ 08122	Invitae Monogenic Inflammatory Bowel Disease Panel	46	ADA, ADAM17, AICDA, BTK, CD3G, CD40LG, CTLA4, CYBA, CYBB, DCLRE1C, DKC1, DOCK8, FOXP3, G6PC3, ICOS, IL10, IL10RA, IL10RB, IL21, IL2RA, IL2RG, ITGB2, LIG4, LRBA, MEFV, MVK, NCF2, NCF4, NFAT5, NLRC4, PIK3CD, PIK3R1, PLCG2, RAG1, RAG2, RTEL1, SH2D1A, SLC37A4, STAT1, STAT3, STIM1, STXBP2, TTC7A, WAS, XIAP, ZAP70
○ 08122.1	Add-on Increased risk alleles in NOD2 associated with Crohn's disease	1	NOD2
○ 04312	Invitae Periodic Fever Syndromes Panel	12	ADA2, ELANE, LPIN2, MEFV, MVK, NLRC4, NLRP12, NLRP3, PSMB8, PSTPIP1, TNFRSF1A, TRNT1
Combined T/B Cell Deficiencies			
○ 08130	Invitae Comprehensive Severe Combined Immunodeficiency (SCID) and Combined Immunodeficiency (CID) Panel	50	ADA, AK2, B2M, BCL10, CARD11, CD247, CD27, CD3D, CD3E, CD3G, CD40LG, CD8A, CIITA, CORO1A, CTPS1, DCLRE1C, DOCK2, DOCK8, ICOS, IKBKB, IL21, IL21R, IL2RG, IL7R, ITK, JAK3, LCK, LIG4, LRBA, MAGT1, MALT1, MAP3K14, NHEJ1, PNP, PRKDC, PTPRC, RAC2, RAG1, RAG2, RFX5, RFXANK, RFXAP, RHOH, SH2D1A, STK4, TAP1, TAP2, TAPBP, TNFRSF4, ZAP70
○ 08130.1	Add-on combined immunodeficiency (CID) with syndromic features genes	36	ACD, ATM, CHD7, CTC1, DCLRE1B, DKC1, DNMT3B, EPG5, FOXN1, NBN, NFKBIA, NHP2, NOP10, ORAI1, PARN, PGM3, PMS2, POLE, RMRP, RTEL1, SEMA3E, SMARCAL1, SP110, SPINK5, STAT3, STAT5B, STIM1, TBX1, TCN2, TERC, TERT, TINF2, TTC7A, WAS, WIPF1, ZBTB24
Immune Dysregulation			
○ 08151	Invitae Autoimmune Lymphoproliferative Disorders (ALPS) Panel	9	CASP8, CTLA4, FAS, FASLG, ITK, MAGT1, PIK3CD, PRKCD, STAT3
○ 08151.1	Add-on preliminary-evidence genes	2	CASP10, FADD
○ 08152	Invitae Hereditary Hemophagocytic Lymphohistiocytosis (HLH) Disorders Panel	21	ADA, AP3B1, BLOC1S6, BTK, CD27, IL2RA, IL2RG, ITK, LYST, MAGT1, MVK, PNP, PRF1, RAB27A, SH2D1A, SLC7A7, STX11, STXBP2, UNC13D, WAS, XIAP
Phagocytic Defects			
○ 08160	Invitae Phagocyte Defects Panel	27	CEBPE, CLPB, CSF2RA, CSF3R, CTSC, CYBA, CYBB, ELANE, FERMT3, FPR1, G6PC3, G6PD, GFI1, HAX1, ITGB2, JAGN1, LAMTOR2, NCF2, NCF4, PMM2, SLC35C1, SLC37A4, SPINK5, TAZ, VPS13B, VPS45, WAS

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IMMUNOLOGY TEST CATALOG

CLINICAL AREA: METABOLIC NEWBORN SCREENING AND IMMUNOLOGY

METABOLIC NEWBORN SCREENING AND IMMUNOLOGY INDIVIDUAL GENES

ACD	C8B	COPA	FADD	IFNAR2	KMT2A	NHEJ1	RAC2	SLC35C1
ACP5	C9	CORO1A	FANCA	IFNGR1	KMT2D	NHP2	RAG1	SLC37A4
ACTB	CARD11	CR2	FANCB	IFNGR2	LAMTOR2	NLRC4	RAG2	SLC39A7
ADA	CARD14	CSF2RA	FANCE	IGLL1	LAT	NLRP1	RANBP2	SLC46A1
ADA2	CARD8	CSF2RB	FANCF	IKBKB	LCK	NLRP12	RASGRP1	SLC5A1
ADAM17	CARD9	CSF3R	FANCI	IL10	LCT	NLRP3	RBCK1	SLC7A7
ADAR	CARMIL2	CTC1	FANCL	IL10RA	LIG1	NOD2	RELA	SLC9A3
AICDA	CASP10	CTLA4	FAS	IL10RB	LIG4	NOP10	RELB	SLX4
AIRE	CASP8	CTPS1	FASLG	IL12B	LIPA	NSMCE3	RFX5	SMARCAL1
AK2	CBL	CTSC	FAT4	IL12RB1	LPIN2	OAS1	RFXANK	SMARCD2
ALG6	CCBE1	CXCR2	FCHO1	IL12RB2	LRBA	ORAI1	RFXAP	SNX10
ANGPT1	CD19	CXCR4	FERMT1	IL17F	LRRC8A	OSTM1	RHOH	SP110
ANKZF1	CD247	CYBA	FERMT3	IL17RA	LYN	OTULIN	RIPK1	SPINK5
AP3B1	CD27	CYBB	FOXI3	IL17RC	LYST	PARN	RMRP	SPINT2
AP3D1	CD3D	CYP27A1	FOXN1	IL1RN	MAGT1	PAX1	RNASEH2A	SPPL2A
ARHGEF1	CD3E	DCLRE1B	FOXP3	IL21	MALT1	PEPD	RNASEH2B	SRP54
ARPC1B	CD3G	DCLRE1C	FPR1	IL21R	MAP3K14	PGM3	RNASEH2C	SRP72
ASAH1	CD40	DDX58	G6PC	IL23R	MCM4	PIK3CD	RNF113A	STAT1
ATM	CD40LG	DEF6	G6PC3	IL2RA	MEFV	PIK3R1	RNF168	STAT2
ATP6AP1	CD46	DGAT1	G6PD	IL2RB	MKL1	PLCG2	RNF31	STAT3
B2M	CD55	DIAPH1	GATA2	IL2RG	MOGS	PMM2	RNU4ATAC	STAT4
BACH2	CD59	DKC1	GFI1	IL36RN	MPLKIP	PMS2	RORC	STAT5B
BCL10	CD79A	DNAJC21	GINS1	IL6R	MS4A1	PNP	RPSA	STIM1
BCL11B	CD79B	DNASE1L3	GTF2E2	IL6ST	MSN	POLA1	RTEL1	STK4
BLM	CD81	DNASE2	GTF2H5	IL7R	MTHFD1	POLD1	SAMD9	STN1
BLNK	CD8A	DNMT3B	GUCY2C	IRAK4	MVK	POLE	SAMD9L	STX11
BLOC1S3	CDC42	DOCK2	HAX1	IRF2BP2	MYD88	POLE2	SAMHD1	STX3
BLOC1S6	CDCA7	DOCK8	HELLS	IRF4	MYO5B	POLR3A	SAR1B	STXBP2
BTK	CEBPE	DSG1	HMOX1	IRF7	MYSM1	POMP	SCO2	TAOK2
C17orf62	CFB	DTNBP1	HPS1	IRF8	NBAS	PRF1	SEC61A1	TAP1
C1QA	CFD	DUOX2	HPS3	IRF9	NBN	PRKCD	SEMA3E	TAP2
C1QB	CFH	EFL1	HPS4	ISG15	NCF2	PRKDC	SERPING1	TAPBP
C1QC	CFI	EIF2AK3	HPS5	ITCH	NCF4	PSENEN	SH2D1A	TAZ
C1S	CFP	ELANE	HPS6	ITGAM	NCSTN	PSMA3	SH3BP2	TBX1
C2	CHD7	EPG5	HTRA2	ITGB2	NEUROG3	PSMB4	SH3KBP1	TCF3
C3	CIB1	ERBIN	HYOU1	ITK	NFAT5	PSMB8	SI	TCIRG1
C5	CIITA	ERCC2	ICOS	JAGN1	NFE2L2	PSMG2	SIAE	TCN2
C6	CLCN7	ERCC3	ICOSLG	JAK1	NFKB1	PSTPIP1	SKIV2L	TERC
C7	CLPB	ERCC6L2	IFIH1	JAK3	NFKB2	PTPRC	SLC26A3	TERT
C8A	COL7A1	EXTL3	IFNAR1	KDM6A	NFKBIA	RAB27A	SLC29A3	TFRC

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IMMUNOLOGY TEST CATALOG

CLINICAL AREA: METABOLIC NEWBORN SCREENING AND IMMUNOLOGY

METABOLIC NEWBORN SCREENING AND IMMUNOLOGY INDIVIDUAL GENES								
○ TGFB1	○ TINF2	○ TNFRSF11A	○ TNFRSF9	○ TPP2	○ TTC37	○ UNC93B1	○ VPS45	○ XIAP
○ TGFBR1	○ TLR3	○ TNFRSF13B	○ TNFSF11	○ TRAF3	○ TTC7A	○ UNG	○ WAS	○ ZAP70
○ TGFBR2	○ TMC6	○ TNFRSF13C	○ TNFSF12	○ TRAF3IP2	○ TYK2	○ USB1	○ WDR1	○ ZBTB24
○ THBD	○ TMC8	○ TNFRSF1A	○ TONSL	○ TREX1	○ UNC13D	○ VAV1	○ WIPF1	○ ZCCHC8
○ TICAM1	○ TMEM173	○ TNFRSF4	○ TOP2B	○ TRNT1	○ UNC45A	○ VPS13B	○ WRAP53	○ ZNF341
○ TIMM50	○ TNFAIP3	○ TNFRSF6B	○ TP63					

CLINICAL AREA: HEREDITARY CANCER

Test code	Test name	# gene(s)	Gene list
Dyskeratosis Congenita			
○ 05314	Invitae Dyskeratosis Congenita Panel	9	CTC1, DKC1, NHP2, NOP10, PARN, RTEL1, TERC, TERT, TINF2
○ 05314.1	Add-on preliminary-evidence gene	3	ACD, ISB1, WRAP53

HEREDITARY CANCER INDIVIDUAL GENES								
○ ACD	○ DKC1	○ NHP2	○ PARN	○ RTEL1	○ TERC	○ TERT	○ TINF2	○ WRAP53
○ CTC1	○ ISB1	○ NOP10						

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INVITAE

Patient's first name

Patient's last name

IMMUNOLOGY, DERMATOLOGY, HEMATOLOGY, AND OPHTHALMOLOGY FM171-5

DERMATOLOGY TEST CATALOG

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CLINICAL AREA: HEREDITARY CANCER

Test code	Test name	# gene(s)	Gene list
Dermatology Cancer Syndromes			
○ 01722	Invitae Basal Cell Nevus Syndrome Panel	2	PTCH1, SUFU
○ 01722.1	Add-on preliminary-evidence gene	1	PTCH2
○ 01720	Invitae Birt-Hogg-Dubé Syndrome Test	1	FLCN
○ 01702	Invitae Lynch Syndrome Panel	5	EPCAM, MLH1, MSH2, MSH6, PMS2
○ 01561	Invitae Melanoma Panel	9	BAP1, BRCA2, CDK4, CDKN2A, MITF, POT1, PTEN, RB1, TP53
○ 01561.1	Add-on preliminary-evidence genes	3	BRCA1, MC1R, TERT
○ 01713	Invitae Melanoma-Pancreatic Cancer Syndrome Panel	2	CDK4, CDKN2A
○ 04167	Invitae Neurofibromatosis Type 2 Test	1	NF2
○ 04167.1	Add-on schwannomatosis gene	1	SMARCB1
○ 04168	Invitae Schwannomatosis Panel	3	LZTR1, NF2, SMARCB1
○ 01721	Invitae Tuberous Sclerosis Complex Panel	2	TSC1, TSC2

HEREDITARY CANCER INDIVIDUAL GENES

○ ACD	○ CDK4	○ EPCAM	○ MITF	○ NF2	○ PMS2	○ PTEN	○ SUFU	○ TP53
○ BAP1	○ CDKN2A	○ FLCN	○ MLH1	○ NHP2	○ POT1	○ RB1	○ TERC	○ TSC1
○ BRCA1	○ CTC1	○ ISB1	○ MSH2	○ NOP10	○ PTCH1	○ RTEL1	○ TERT	○ TSC2
○ BRCA2	○ DKC1	○ MC1R	○ MSH6	○ PARN	○ PTCH2	○ SMARCB1	○ TINF2	

CLINICAL AREA: PEDIATRIC AND RARE DISEASE

Test code	Test name	# gene(s)	Gene list
Skin Disorders			
○ 04163	Invitae Cardio-Facio-Cutaneous Syndrome Panel	6	BRAF, KRAS, MAP2K1, MAP2K2, SHOC2, SOS1
○ 05021	Invitae Ectodermal Dysplasia with or without Tooth Agenesis Panel	8	EDA, EDAR, EDARADD, LTBP3, MSX1, NFKBIA, PAX9, WNT10A
○ 05021.1	Add-on Clouston syndrome and TP63-related disorder genes	2	GJB6, TP63
○ 04165	Invitae Legius Syndrome Test	1	SPRED1
○ 04165.1	Add-on neurofibromatosis type 1 gene	1	NF1
○ 04162	Invitae Noonan Syndrome with Multiple Lentigines Panel	3	BRAF, PTPN11, RAF1
○ 01704	Invitae PTEN-Related Disorders Test	1	PTEN
○ 05022	Invitae TP63-Related Disorders Test	1	TP63
○ 04735	Invitae van der Woude Syndrome Panel	2	GRHL3, IRF6

PEDIATRIC AND RARE DISEASE INDIVIDUAL GENES

○ BRAF	○ EDARADD	○ IRF6	○ MAP2K1	○ NF1	○ PTEN	○ RAF1	○ SOS1	○ TP63
○ EDA	○ GJB6	○ KRAS	○ MAP2K2	○ NFKBIA	○ PTPN11	○ SHOC2	○ SPRED1	○ WNT10A
○ EDAR	○ GRHL3	○ LTBP3	○ MSX1	○ PAX9				

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IMMUNOLOGY, DERMATOLOGY, HEMATOLOGY, AND OPHTHALMOLOGY FM171-5

HEMATOLOGY TEST CATALOG

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CLINICAL AREA: HEREDITARY CANCER

Test code	Test name	# gene(s)	Gene list
Bone Marrow Failure Syndromes			
○ 05313	Invitae Diamond-Blackfan Anemia Panel	11	GATA1, RPL5, RPL11, RPL15, RPL26, RPL35A, RPS7, RPS10, RPS19, RPS24, RPS26
○ 05313.1	Add-on preliminary-evidence genes	2	RPL19, RPS29
○ 05314	Invitae Dyskeratosis Congenita Panel	9	CTC1, DKC1, NHP2, NOP10, PARN, RTEL1, TERC, TERT, TINF2
○ 05314.1	Add-on preliminary-evidence genes	3	ACD, USB1, WRAP53
○ 05301	Invitae Bone Marrow Failure Syndromes Panel	39	BRCA2, BRIP1, CTC1, DKC1, ELANE, ERCC4, FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, GATA1, GATA2, MPL, NHP2, NOP10, PALB2, RAD51C, RPL11, RPL26, RPL35A, RPL5, RPS10, RPS19, RPS24, RPS26, RPS7, RUNX1, SLX4, TERC, TERT, TINF2, WAS, XRCC2
○ 05312	Invitae Congenital Amegakaryocytic Thrombocytopenia Test	1	MPL
○ 05315	Invitae ELANE-Related Neutropenia Test	1	ELANE
○ 05311	Invitae Fanconi Anemia Panel	17	BRCA2, BRIP1, ERCC4, FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, PALB2, RAD51C, SLX4, XRCC2
○ 05316	Invitae GATA1-Related X-Linked Cytopenia Test	1	GATA1
○ 05317	Invitae GATA2 Deficiency Test	1	GATA2
○ 05318	Invitae WAS-Related Disorders Test	1	WAS

HEREDITARY CANCER INDIVIDUAL GENES

○ BRCA2	○ ERCC4	○ FANCE	○ FANCM	○ NOP10	○ RPL11	○ RPS7	○ RPS26	○ TERT
○ BRIP1	○ FANCA	○ FANCF	○ GATA1	○ PALB2	○ RPL15	○ RPS10	○ RUNX1	○ TINF2
○ CTC1	○ FANCB	○ FANCG	○ GATA2	○ RAD51C	○ RPL26	○ RPS19	○ SLX4	○ WAS
○ DKC1	○ FANCC	○ FANCI	○ MPL	○ RPL5	○ RPL35A	○ RPS24	○ TERC	○ XRCC2
○ ELANE	○ FANCD2	○ FANCL	○ NHP2					

CLINICAL AREA: NON-MALIGNANT HEMATOLOGY

Test code	Test name	# gene(s)	Gene list
Hereditary Hemochromatosis			
○ 05201	Invitae Hereditary Hemochromatosis Panel	5	HAMP, HFE, HJV, SLC40A1, TFR2
Hereditary Thrombophilia			
○ 05251	Invitae Hereditary Thrombophilia Panel	5	F2, F5, PROC, PROS1, SERPINC1
○ 05251.1	Add-on F9 gene	1	F9
○ 05251.2	Add-on MPL gene	1	MPL
○ 05261	Invitae Antithrombin III Deficiency Test	1	SERPINC1
○ 05262	Invitae Protein C Deficiency Test	1	PROC
○ 05263	Invitae Protein S Deficiency Test	1	PROS1

NON-MALIGNANT HEMATOLOGY INDIVIDUAL GENES

○ F2	○ F9	○ HFE	○ ITGA2B	○ MPL	○ PROC	○ SERPINC1	○ TFR2	○ VHL
○ F5	○ HAMP	○ HJV	○ ITGB3	○ MTHFR	○ PROS1	○ SLC40A1		

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OPHTHALMOLOGY TEST CATALOG

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CLINICAL AREA: PEDIATRIC AND RARE DISEASE

Test code	Test name	# gene(s)	Gene list
Eye Disorders			
○ 55005	Invitae Alport Syndrome Panel	6	CD151, COL4A3, COL4A4, COL4A5, COL4A6, MYH9
○ 55013	Invitae Stickler Syndrome Panel	9	COL11A1, COL11A2, COL2A1, COL9A1, COL9A2, COL9A3, LOXL3, LRP2, VCAN
○ 55015	Invitae Glaucoma Panel	27	ASB10, ATOH7, BMP4, COL4A1, COL8A2, CYP1B1, EXO5, FOXC1, FOXE3, LMX1B, LTBP2, MAF, MFRP, MYOC, OPTN, PAX6, PIK3R1, PITX2, PITX3, PRPF8, PRSS56, PXDN, SH3PXD2B, SIX6, SLC4A4, TEK, WDR36
○ 72100	Invitae Inherited Retinal Disorders Panel	293	ABCA4, ABCC6, ABHD12, ACBD5, ACO2, ADAM9, ADAMTS18, ADGRA3, ADGRV1, ADIPOR1, AGBL5, AHI1, AHR, AIPL1, ALMS1, ARHGEF18, ARL13B, ARL2BP, ARL3, ARL6, ARMC9, ARSG, ASRGL1, ATF6, ATOH7, B9D1, BBIP1, BBS1, BBS10, BBS12, BBS2, BBS4, BBS5, BBS7, BBS9, BEST1, C1QTNF5, C8orf37, CA4, CABP4, CACNA1F, CACNA2D4, CAPN5, CC2D2A, CCT2, CDH23, CDH3, CDHR1, CEP164, CEP19, CEP250, CEP290, CEP41, CEP78, CEP83, CERKL, CFAP410, CHM, CIB2, CISD2, CLCC1, CLN3, CLRN1, CLUAP1, CNGA1, CNGA3, CNGB1, CNGB3, CNNM4, COL11A1, COL11A2, COL18A1, COL2A1, COL9A1, COL9A2, COL9A3, CPLANE1, CRB1, CRX, CSPP1, CTNNA1, CWC27, CYP4V2, DHDDS, DHX38, DRAM2, DTHD1, EFEMP1, ELOVL4, EMC1, EXOSC2, EYS, FAM161A, FLVCR1, FRMD7, FSCN2, FZD4, GDF6, GNAT1, GNAT2, GNB3, GNPTG, GPR143, GPR179, GRM6, GUCA1A, GUCA1B, GUCY2D, HARS, HGSNAT, HK1, HMX1, IDH3A, IDH3B, IFT140, IFT172, IFT27, IFT43, IFT80, IFT81, IMPDH1, IMPG1, IMPG2, INPP5E, INVS, IQCB1, JAG1, KCNJ13, KCNV2, KIAA0586, KIAA1549, KIF11, KIF7, KIZ, KLHL7, LCA5, LRAT, LRIT3, LRP2, LRP5, LZTFL1, MAK, MAPKAPK3, MERTK, MFN2, MFRP, MKKS, MKS1, MPDZ, MTTP, MYO7A, NDP, NEK2, NEUROD1, NMNAT1, NPHP1, NPHP3, NPHP4, NR2E3, NR2F1, NRL, NYX, OAT, OCA2, OFD1, OPA1, OPA3, OPN1SW, OTX2, P3H2, PAX2, PAX6, PCARE, PCDH15, PCYT1A, PDE6A, PDE6B, PDE6C, PDE6D, PDE6G, PDE6H, PDZD7, PEX1, PEX10, PEX11B, PEX12, PEX13, PEX14, PEX16, PEX19, PEX2, PEX26, PEX3, PEX5, PEX6, PEX7, PHYH, PITPNM3, PLA2G5, PLK4, PNPLA6, POC1B, POMGNT1, PRCD, PRDM13, PROM1, PRPF3, PRPF31, PRPF4, PRPF6, PRPF8, PRPH2, PRPS1, RAB28, RAX2, RBP3, RBP4, RCBTB1, RD3, RDH11, RDH12, RDH5, REEP6, RGR, RGS9, RGS9BP, RHO, RIMS1, RLBP1, ROM1, RP1, RP1L1, RP2, RPE65, RPGRIP1, RPGRIP1L, RS1, RTN4IP1, SAG, SAMD11, SCLT1, SDCCAG8, SEMA4A, SLC24A1, SLC45A2, SLC7A14, SNRNP200, SPATA7, SPP2, TCTN1, TCTN2, TCTN3, TEAD1, TIMM8A, TIMP3, TMEM107, TMEM126A, TMEM138, TMEM216, TMEM231, TMEM237, TMEM67, TOPORS, TPP1, TRAF3IP1, TREX1, TRIM32, TRNT1, TRPM1, TSPAN12, TTC21B, TTC8, TTLL5, TTPA, TUB, TUBGCP4, TUBGCP6, TULP1, TYR, TYRP1, UNC119, USH1C, USH1G, USH2A, VCAN, VPS13B, WDPCP, WDR19, WFS1, WHRN, ZNF408, ZNF423, ZNF513
○ 04722	Invitae Aniridia Test	1	PAX6
○ 04723	Invitae Axenfeld-Rieger Panel	2	FOXC1, PITX2
	○ 04723.1 Add-on aniridia gene	1	PAX6
○ 04112	Invitae Bardet-Biedl Syndrome Panel	16	ARL6, BBS1, BBS10, BBS12, BBS2, BBS4, BBS5, BBS7, BBS9, CEP290, MKKS, MKS1, SDCCAG8, TRIM32, TTC8, WDPCP
○ 04211	Invitae CHARGE Syndrome Test	1	CHD7
○ 05131	Invitae Choroideremia Test	1	CHM
○ 05132	Invitae Congenital Cataracts Panel	34	AGK, BCOR, BFSP1, BFSP2, CRYAA, CRYAB, CRYBA1, CRYBA4, CRYBB1, CRYBB2, CRYBB3, CRYGC, CRYGD, CRYGS, CTDP1, EPHA2, FAM126A, FOXC1, FYCO1, GALK1, GCNT2, GJA3, GJA8, HSF4, MAF, MIP, NHS, OCRL, PAX6, PITX2, PITX3, SIL1, TDRD7, VSX2
	○ 05132.1 Add-on preliminary-evidence genes	4	CHMP4B, CRYGB, LIM2, VIM
○ 04728	Invitae Duane-Radial Ray Syndrome Test	1	SALL4

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OPHTHALMOLOGY TEST CATALOG

CLINICAL AREA: PEDIATRIC AND RARE DISEASE

Test code	Test name	# gene(s)	Gene list
Eye Disorders (continued)			
○ 05133	Invitae Early-Onset Glaucoma Panel	3	CYP1B1, FOXC1, PITX2
○ 05143	Invitae Leber Congenital Amaurosis Panel	19	AIPL1, CEP290, CRB1, CRX, GDF6, GUCY2D, IQCB1, KCNJ13, LCA5, LRAT, NMNAT1, OTX2, PRPH2, RD3, RDH12, RPE65, RPGRIP1, SPATA7, TULP1
○ 05143.1	Add-on preliminary-evidence genes	2	BBS4, IMPDH1
○ 05142	Invitae Microphthalmia/Anophthalmia Disorders Panel	17	ALDH1A3, BCOR, BMP4, FOXE3, GDF6, MAB21L2, MFRP, OTX2, PAX2, PRSS56, PXDN, RARB, RAX, SHH, SOX2, STRA6, VSX2
○ 05142.1	Add-on preliminary-evidence genes	4	GDF3, HESX1, SALL4, VAX1
○ 04213	Invitae Oculo-Facio-Cardio-Dental Syndrome Test	1	BCOR
○ 01738	Invitae Retinoblastoma Test	1	RB1
○ 04114	Invitae Senior-Loken Syndrome Panel	8	CEP290, INVS, IQCB1, NPHP1, NPHP3, NPHP4, SDCCAG8, WDR19

PEDIATRIC AND RARE DISEASE INDIVIDUAL GENES

○ ABCA4	○ B9D1	○ CEP164	○ COL4A3	○ DHDDS	○ GNB3	○ JAG1	○ MKS1	○ PAX2
○ ABCC6	○ BBIP1	○ CEP19	○ COL4A4	○ DHX38	○ GNPTG	○ KCNJ13	○ MPDZ	○ PAX6
○ ABHD12	○ BBS1	○ CEP250	○ COL4A5	○ DRAM2	○ GPR143	○ KCNV2	○ MTTP	○ PCARE
○ ACBD5	○ BBS10	○ CEP290	○ COL4A6	○ DTHD1	○ GPR179	○ KIAA0586	○ MYH9	○ PCDH15
○ ACO2	○ BBS12	○ CEP41	○ COL8A2	○ EFEMP1	○ GRM6	○ KIAA1549	○ MYO7A	○ PCYT1A
○ ADAM9	○ BBS2	○ CEP78	○ COL9A1	○ ELOVL4	○ GUCA1A	○ KIF11	○ MYOC	○ PDE6A
○ ADAMTS18	○ BBS4	○ CEP83	○ COL9A2	○ EMC1	○ GUCA1B	○ KIF7	○ NDP	○ PDE6B
○ ADGRA3	○ BBS5	○ CERKL	○ COL9A3	○ EPHA2	○ GUCY2D	○ KIZ	○ NEK2	○ PDE6C
○ ADGRV1	○ BBS7	○ CFAP410	○ CPLANE1	○ EXO5	○ HARS	○ KLHL7	○ NEUROD1	○ PDE6D
○ ADIPOR1	○ BBS9	○ CHD7	○ CRB1	○ EXOSC2	○ HESX1	○ LCA5	○ NHS	○ PDE6G
○ AGBL5	○ BCOR	○ CHM	○ CRX	○ EYS	○ HGSNAT	○ LIM2	○ NMNAT1	○ PDE6H
○ AGK	○ BEST1	○ CHMP4B	○ CRYAA	○ FAM126A	○ HK1	○ LMX1B	○ NPHP1	○ PDZD7
○ AHI1	○ BFSP1	○ CIB2	○ CRYAB	○ FAM161A	○ HMX1	○ LOXL3	○ NPHP3	○ PEX1
○ AHR	○ BFSP2	○ CISD2	○ CRYBA1	○ FLVCR1	○ HSF4	○ LRAT	○ NPHP4	○ PEX10
○ AIPL1	○ BMP4	○ CLCC1	○ CRYBA4	○ FOXC1	○ IDH3A	○ LRIT3	○ NR2E3	○ PEX11B
○ ALDH1A3	○ C1QTNF5	○ CLN3	○ CRYBB1	○ FOXE3	○ IDH3B	○ LRP2	○ NR2F1	○ PEX12
○ ALMS1	○ C8orf37	○ CLRN1	○ CRYBB2	○ FRMD7	○ IFT140	○ LRP5	○ NRL	○ PEX13
○ ARHGEF18	○ CA4	○ CLUAP1	○ CRYBB3	○ FSCN2	○ IFT172	○ LTBP2	○ NYX	○ PEX14
○ ARL13B	○ CABP4	○ CNGA1	○ CRYGB	○ FYCO1	○ IFT27	○ LZTFL1	○ OAT	○ PEX16
○ ARL2BP	○ CACNA1F	○ CNGA3	○ CRYGC	○ FZD4	○ IFT43	○ MAB21L2	○ OCA2	○ PEX19
○ ARL3	○ CACNA2D4	○ CNGB1	○ CRYGD	○ GALK1	○ IFT80	○ MAF	○ OCRL	○ PEX2
○ ARL6	○ CAPN5	○ CNGB3	○ CRYGS	○ GCNT2	○ IFT81	○ MAK	○ OFD1	○ PEX26
○ ARMC9	○ CC2D2A	○ CNNM4	○ CSPP1	○ GDF3	○ IMPDH1	○ MAPKAPK3	○ OPA1	○ PEX3
○ ARSG	○ CCT2	○ COL11A1	○ CTDP1	○ GDF6	○ IMPG1	○ MERTK	○ OPA3	○ PEX5
○ ASB10	○ CD151	○ COL11A2	○ CTNNA1	○ GJA3	○ IMPG2	○ MFN2	○ OPN1SW	○ PEX6
○ ASRGL1	○ CDH23	○ COL18A1	○ CWC27	○ GJA8	○ INPP5E	○ MFRP	○ OPTN	○ PEX7
○ ATF6	○ CDH3	○ COL2A1	○ CYP1B1	○ GNAT1	○ INVS	○ MIP	○ OTX2	○ PHYH
○ ATOH7	○ CDHR1	○ COL4A1	○ CYP4V2	○ GNAT2	○ IQCB1	○ MKKS	○ P3H2	○ PIK3R1

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OPHTHALMOLOGY TEST CATALOG

CLINICAL AREA: PEDIATRIC AND RARE DISEASE

Test code	Test name	# gene(s)	Gene list

PEDIATRIC AND RARE DISEASE INDIVIDUAL GENES (continued)

○ PITPNM3	○ PRPF4	○ RBP4	○ ROM1	○ SDCCAG8	○ SPP2	○ TMEM216	○ TTC8	○ VAX1
○ PITX2	○ PRPF6	○ RCBTB1	○ RP1	○ SEMA4A	○ STRA6	○ TMEM231	○ TTLL5	○ VCAN
○ PITX3	○ PRPF8	○ RD3	○ RP1L1	○ SH3PXD2B	○ TCTN1	○ TMEM237	○ TTPA	○ VIM
○ PLA2G5	○ PRPH2	○ RDH11	○ RP2	○ SHH	○ TCTN2	○ TMEM67	○ TUB	○ VPS13B
○ PLK4	○ PRPS1	○ RDH12	○ RPE65	○ SIL1	○ TCTN3	○ TOPORS	○ TUBGCP4	○ VSX2
○ PNPLA6	○ PRSS56	○ RDH5	○ RPGRIP1	○ SIX6	○ TDRD7	○ TPP1	○ TUBGCP6	○ WDPCP
○ POC1B	○ PXDN	○ REEP6	○ RPGRIP1L	○ SLC24A1	○ TEAD1	○ TRAF3IP1	○ TULP1	○ WDR19
○ POMGNT1	○ RAB28	○ RGR	○ RS1	○ SLC45A2	○ TEK	○ TREX1	○ TYR	○ WDR36
○ PRCD	○ RARB	○ RGS9	○ RTN4IP1	○ SLC4A4	○ TIMM8A	○ TRIM32	○ TYRP1	○ WFS1
○ PRDM13	○ RAX	○ RGS9BP	○ SAG	○ SLC7A14	○ TIMP3	○ TRNT1	○ UNC119	○ WHRN
○ PROM1	○ RAX2	○ RHO	○ SALL4	○ SNRNP200	○ TMEM107	○ TRPM1	○ USH1C	○ ZNF408
○ PRPF3	○ RB1	○ RIMS1	○ SAMD11	○ SOX2	○ TMEM126A	○ TSPAN12	○ USH1G	○ ZNF423
○ PRPF31	○ RBP3	○ RLBP1	○ SCLT1	○ SPATA7	○ TMEM138	○ TTC21B	○ USH2A	○ ZNF513

*If an order is placed using an older version of this form, Invitae reserves the right to upgrade ordered tests to the current versions. View current requisition forms online at **www.invitae.com/forms** or consider placing your order online in the Invitae portal. Please note: Test IDs containing add-on codes will include the original panel as well as the add-on.*

