

CLINICAL INFORMATION IS REQUIRED for PGnome®, PGxome®, and PGmax™ panels.

Orders **MUST** include the completed clinical features checklist (preferred) or clinical notes/records. Completion of the checklist is strongly encouraged for all panel testing. The ability to interpret variants directly correlates with the quality of clinical information provided. Also include family medical history/pedigree, if available.

CLINICAL FEATURES

PERSON COMPLETING FORM	CONTACT (DIRECT PHONE OR EMAIL)	DATE OF REQUEST (MM/DD/YYYY)
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PATIENT INFORMATION

LAST (FAMILY) NAME	FIRST NAME	MI	DATE OF BIRTH (MM/DD/YYYY)
PATIENT ID	HAS PATIENT BEEN TESTED PREVIOUSLY AT PREVENTIONGENETICS? <input type="checkbox"/> NO <input type="checkbox"/> YES, PG ID# _____		BIOLOGICAL SEX <input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Other SPECIFY KARYOTYPE _____

CLINICAL INFORMATION (CHECK ALL THAT APPLY)

PRE/PERINATAL

- ☐ Abnormality of septum pellucidum
 - ☐ Absent septum pellucidum
 - ☐ Cavum septum pellucidum
- ☐ Choroid plexus cyst (CPC)
- ☐ Absent nasal bone
- ☐ Congenital heart defect
- ☐ Intracardiac echogenic focus (IEF)
- ☐ Cystic hygroma
- ☐ Increased nuchal translucency, Size (mm): _____
- ☐ Pleural effusion
- ☐ Pericardial effusion
- ☐ Generalized edema
- ☐ Fetal ascites
- ☐ Hydrops fetalis
- ☐ Diaphragmatic hernia
- ☐ Absent stomach bubble
- ☐ Omphalocele
- ☐ Gastroschisis
- ☐ Echogenic bowel
- ☐ Fetal pyelectasis/hydronephrosis
- ☐ Decreased fetal movement
- ☐ Encephalocele
- ☐ Myelomeningocele/Spina bifida
- ☐ Sacrococcygeal teratoma
- ☐ Intrauterine growth retardation (IUGR)
- ☐ Small for gestational age (SGA)
- ☐ Oligohydramnios
- ☐ Polyhydramnios
- ☐ Short long bones
- ☐ Small thorax
- ☐ Fetal demise
- ☐ Prematurity, Gestational Age: _____
- ☐ Other: _____

STRUCTURAL BRAIN

ABNORMALITIES / IMAGING

- ☐ Abnormal/delayed myelination
- ☐ Abnormality of basal ganglia
- ☐ Abnormality of brainstem
- ☐ Abnormality of white matter:
 - ☐ Periventricular
 - ☐ Other: _____
- ☐ Abnormality of cerebral ventricles:
 - ☐ Colpocephaly
 - ☐ Hydrocephalus
 - ☐ Ventriculomegaly
- ☐ Abnormality of corpus callosum morphology:
 - ☐ Agenesis
 - ☐ Complete
 - ☐ Partial
 - ☐ Aplasia/hypoplasia
- ☐ Aplasia/hypoplasia of cerebellar vermis
- ☐ Aplasia/hypoplasia of cerebellum
- ☐ Arnold-Chiari malformation:
 - ☐ Type I
- ☐ Cerebral atrophy/hypoplasia
- ☐ Cerebral calcification
- ☐ Holoprosencephaly
- ☐ Intraventricular hemorrhage
 - ☐ Preterm Intraventricular hemorrhage
- ☐ Iron deposition
- ☐ Leukodystrophy
- ☐ Neuronal migration abnormality
 - ☐ Cortical gyration
 - ☐ Gray matter heterotopia
- ☐ Other: _____

DEVELOPMENTAL/ BEHAVIORAL

- ☐ Aggressive/violent behavior
- ☐ Anxiety
- ☐ Attention-deficit hyperactivity disorder
- ☐ Autistic behavior
- ☐ Autism/autism spectrum disorder

- ☐ Cognitive impairment
- ☐ Delayed fine motor development
- ☐ Delayed gross motor development
- ☐ Developmental regression
- ☐ Gait disturbance
Specify: _____
- ☐ Global developmental delay
- ☐ Hyperactivity
- ☐ Incoordination
- ☐ Intellectual disability
 - ☐ Mild
 - ☐ Moderate
 - ☐ Severe/profound
- ☐ Learning disability
- ☐ Language impairment
 - ☐ Absent speech
 - ☐ Apraxia
 - ☐ Articulation difficulties
 - ☐ Delayed speech and language development
 - ☐ Expressive
 - ☐ Receptive
 - ☐ Dysarthria
 - ☐ Echolalia
 - ☐ Loss of speech
- ☐ Memory impairment
- ☐ Obsessive-compulsive behavior
- ☐ Self-injurious behavior:
 - ☐ Biting
 - ☐ Head-banging
 - ☐ Skin picking
- ☐ Sensory processing disorder/ neurodevelopmental abnormality
- ☐ Sleep disturbance
- ☐ Stereotypy
 - ☐ Recurrent hand flapping
 - ☐ Stereotypical hand wringing
- ☐ Other: _____

NEUROLOGICAL

- ☐ Abnormality of nervous system
- ☐ Ataxia
- ☐ Athetosis

- ☐ Bradykinesia
- ☐ Cerebral palsy
- ☐ Chorea
- ☐ Cortical visual impairment
- ☐ Dementia
- ☐ Dysarthria
- ☐ Dyskinesia
- ☐ Dysphagia
- ☐ Dystonia
- ☐ Encephalopathy
- ☐ Gait disturbance, Specify: _____
- ☐ Headache
- ☐ Hemiplegia
- ☐ Hypotonia
- ☐ Hypertonia
- ☐ Infantile spasms
- ☐ Migraine
- ☐ Myoclonus
- ☐ Neuropathy
 - ☐ Peripheral
 - ☐ Sensory
- ☐ Parkinsonism/Parkinson Disease
- ☐ Seizures, Type: _____
- ☐ Spasticity
- ☐ Syncope
- ☐ Tremors
- ☐ Vertigo
- ☐ Other: _____

CRANIOFACIAL/ DYSMORPHISM

- ☐ Abnormal facial shape, Specify: _____
- ☐ Abnormality of incisors, Specify: _____
- ☐ Ala nasi
 - ☐ Cleft
 - ☐ Thick
 - ☐ Underdeveloped
- ☐ Anteverted nares
- ☐ Brachycephaly

If additional space is required for an other description or "specify" line, please continue your response on the open text box of page 4. Include a continued notation from on the other or specify line

- ☐ Chin abnormality, Specify: _____
- ☐ Cleft lip:
 - ☐ Unilateral
 - ☐ Bilateral
 - ☐ Midline
- ☐ Cleft palate:
 - ☐ Unilateral
 - ☐ Bilateral
 - ☐ Midline
 - ☐ Submucous cleft
- ☐ Cloverleaf skull
- ☐ Columella abnormality:
 - ☐ Broad
 - ☐ High insertion
 - ☐ Low hanging
 - ☐ Low insertion
 - ☐ Short
- ☐ Craniosynostosis:
 - ☐ Coronal
 - ☐ Lambdoidal
 - ☐ Metopic
 - ☐ Orbital
 - ☐ Sagittal
- ☐ Dolichocephaly
- ☐ Face abnormality:
 - ☐ Broad
 - ☐ Coarse facial features
 - ☐ Flat
 - ☐ Long
 - ☐ Narrow
 - ☐ Round
 - ☐ Short
 - ☐ Square
 - ☐ Triangular
- ☐ Forehead abnormality:
 - ☐ Broad
 - ☐ Narrow
 - ☐ Prominent
 - ☐ Sloping
 - ☐ Creases
- ☐ Frontal bossing
- ☐ Jaw abnormality:
 - ☐ Broad
 - ☐ Narrow
- ☐ Lip vermilion abnormality
- ☐ Lip abnormality:
 - ☐ Pit
 - ☐ Thin
 - ☐ Thick
 - ☐ Tented
 - ☐ Exaggerated cupid's bow
 - ☐ Absent cupid's bow
- ☐ Malar abnormality:
 - ☐ Flattening
 - ☐ Prominence
- ☐ Midface abnormality:
 - ☐ Flat
 - ☐ Prominence
 - ☐ Retrusion
- ☐ Macrocephaly:
 - ☐ Relative
 - ☐ True
- ☐ Metopic suture abnormality:
 - ☐ Depression
 - ☐ Ridge

- ☐ Microcephaly
- ☐ Micrognathia
- ☐ Nasal base abnormality:
 - ☐ Narrow
 - ☐ Wide
- ☐ Nasal bridge abnormality:
 - ☐ Depressed
 - ☐ Narrow
 - ☐ Prominent
 - ☐ Short
 - ☐ Wide
- ☐ Nasal cartilage, absent
- ☐ Nasal ridge abnormality:
 - ☐ Depressed
 - ☐ Narrow
 - ☐ Wide
- ☐ Nasal tip abnormality:
 - ☐ Bifid
 - ☐ Broad
 - ☐ Depressed
 - ☐ Deviated
 - ☐ Narrow
 - ☐ Overhanging
- ☐ Nasolabial fold abnormality:
 - ☐ Prominent
 - ☐ Underdeveloped
- ☐ Neck abnormality:
 - ☐ Broad
 - ☐ Long
 - ☐ Webbed
 - ☐ Short
 - ☐ Redundant nuchal skin
- ☐ Nose abnormality:
 - ☐ Absent
 - ☐ Bifid
 - ☐ Long
 - ☐ Narrow
 - ☐ Prominent
 - ☐ Short
 - ☐ Wide
- ☐ Occiput abnormality:
 - ☐ Flat
 - ☐ Prominent
- ☐ Plagiocephaly
- ☐ Philtrum abnormality:
 - ☐ Broad
 - ☐ Deep
 - ☐ Hypoplastic
 - ☐ Long
 - ☐ Narrow
 - ☐ Smooth
 - ☐ Short
 - ☐ Tented
- ☐ Proboscis
- ☐ Prognathism
- ☐ Retrognathia
- ☐ Scaphocephaly
- ☐ Supraorbital ridge abnormality:
 - ☐ Prominent
 - ☐ Underdeveloped
- ☐ Trigonocephaly
- ☐ Turricephaly
- ☐ Other: _____

- EYES/VISION**
- Age of onset of vision issues: _____
- ☐ Abnormality of eye movement
 - ☐ Esotropia
 - ☐ Exotropia
 - ☐ Nystagmus
 - ☐ Smooth pursuit
 - ☐ Strabismus
 - ☐ Other: _____
 - Abnormality of vision, Specify: _____
 - ☐ Abnormal anterior eye segment morphology
 - ☐ Ablepharon
 - ☐ Achromatopsia
 - ☐ Aniridia
 - ☐ Ankyloblepharon
 - ☐ Anophthalmia
 - ☐ Blepharochalasis
 - ☐ Blepharophimosis
 - ☐ Cataracts
 - ☐ Cataracts, congenital
 - ☐ Coloboma
 - ☐ Corneal opacity
 - ☐ Corneal dystrophy
 - ☐ Cone/cone-rod dystrophy
 - ☐ Congenital stationary night blindness
 - ☐ Cryptophthalmos
 - ☐ Deeply set eyes
 - ☐ Distichiasis
 - ☐ Dyschromatopsia (color blindness)
 - ☐ Ectopia lentis
 - ☐ Ectropion
 - ☐ Entropion
 - ☐ Epiblepharon
 - ☐ Epicanthus/epicanthal folds
 - ☐ Epicanthus inversus
 - ☐ Eyebrow abnormality:
 - ☐ Broad
 - ☐ Highly arched
 - ☐ Horizontal
 - ☐ Sparse
 - ☐ Thick
 - ☐ Eyelash abnormality:
 - ☐ Absent
 - ☐ Long
 - ☐ Prominent
 - ☐ Sparse
 - ☐ Eyelid cleft
 - ☐ External ophthalmoplegia
 - ☐ Progressive
 - ☐ Glaucoma
 - ☐ Infraorbital abnormality:
 - ☐ Crease
 - ☐ Fold
 - ☐ Iris abnormality, Specify: _____
 - ☐ Lagophthalmos
 - ☐ Leber optic atrophy
 - ☐ Lens subluxation

- ☐ Macular abnormality, Specify: _____
 - ☐ Macular dystrophy
 - ☐ Microphthalmia
 - ☐ Myopia
 - ☐ Ocular albinism
 - ☐ Optic atrophy
 - ☐ Optic neuropathy
 - ☐ Palpebral fissure abnormality:
 - ☐ Downslanted
 - ☐ Upslanted
 - ☐ Long
 - ☐ Short
 - ☐ Almond-shaped
 - ☐ Ptosis
 - ☐ Retinal flecks
 - ☐ Retinal detachment
 - ☐ Retinitis pigmentosa
 - ☐ Synophrys
 - ☐ Telecanthus
 - ☐ Other: _____
- EARS/HEARING**
- Age of onset of hearing loss: _____
- ☐ Hearing impairment
 - ☐ Sensorineural
 - ☐ Congenital
 - ☐ Bilateral
 - ☐ Progressive
 - ☐ Conductive
 - ☐ Congenital
 - ☐ Bilateral
 - ☐ Progressive
 - ☐ Mixed
 - ☐ Anotia
 - ☐ Abnormal newborn screen, Specify: _____
 - ☐ Antihelix abnormality:
 - ☐ Absent
 - ☐ Additional crus
 - ☐ Angulated
 - ☐ Inferior crus broad
 - ☐ Inferior crus prominent
 - ☐ Inferior crus underdeveloped
 - ☐ Superior crus prominent
 - ☐ Superior crus underdeveloped
 - ☐ Antitragus abnormality:
 - ☐ Absent
 - ☐ Bifid
 - ☐ Everted
 - ☐ Prominent
 - ☐ Underdeveloped
 - ☐ Ear abnormality:
 - ☐ Abnormality of the tragus
 - ☐ Auricular pit
 - ☐ Crumpled
 - ☐ Cupped
 - ☐ Long
 - ☐ Low-set
 - ☐ Posteriorly rotated
 - ☐ Preauricular pit
 - ☐ Protruding
 - ☐ Short
 - ☐ Satyr
 - ☐ Tag

- ☐ Helix abnormality:
☐ Cleft / Notching
☐ Crimped
☐ Darwin notch
☐ Darwin tubercle
☐ Notching
☐ Overfolded
☐ Prominent
☐ Thin
- ☐ Lobe abnormality:
☐ Cleft
☐ Forward-facing
☐ Large
☐ Small
☐ Uplifted
- ☐ Macrotia
☐ Other: _____

ENDOCRINE

- ☐ Adrenal insufficiency (Addison)
☐ Androgen excess
☐ Androgen insensitivity
☐ Congenital adrenal hypoplasia
☐ Congenital adrenal hyperplasia
☐ Delayed bone age
☐ Delayed puberty
☐ Diabetes insipidus
☐ Diabetes Mellitus
☐ Hyperandrogenism
☐ Hyperglycemia
☐ Hyperphosphatemia
☐ Hyperthyroidism
☐ Hypoglycemia
☐ Hypophosphatemia
☐ Hypothyroidism
☐ Increased cortisol level (Cushing)
☐ Maturity-onset diabetes of the young
☐ Precocious puberty
☐ Rickets
☐ Other: _____

RESPIRATORY

- ☐ Asthma
☐ Bronchiectasis
☐ Bronchomalacia
☐ Hyperventilation
☐ Hypoventilation
☐ Laryngomalacia
☐ Laryngeal cleft
☐ Pneumothorax
☐ Pulmonary fibrosis
☐ Respiratory insufficiency
☐ Tracheomalacia
☐ Tracheoesophageal fistula
☐ Other: _____

HEMATOLOGIC/IMMUNOLOGIC

- ☐ Agammaglobulinemia
☐ Allergic rhinitis
☐ Anemia
☐ Hemolytic anemia
☐ Immunodeficiency,
Specify: _____

- ☐ Lymphopenia
☐ Neutropenia
☐ Pancytopenia
☐ Recurrent infections
☐ Severe combined immunodeficiency
☐ Thrombocytopenia
☐ Other: _____

SKIN/HAIR

- ☐ Abnormal blistering of the skin,
Specify: _____
- ☐ Abnormality of nail:
☐ Broad
☐ Deep-set
☐ Pits
- ☐ Albinism
☐ Alopecia
☐ Anhidrosis
☐ Cafe-au-lait spot:
☐ Single
☐ Multiple
- ☐ Coarse hair
☐ Collodion baby
☐ Cutaneous photosensitivity
☐ Cutis laxa
☐ Dry skin
☐ Eczema
☐ Erythematous skin
☐ Hemangioma
☐ Hairline:
☐ Anterior
☐ Low
☐ High
☐ Posterior
☐ Low
☐ High
- ☐ Hyperextensible skin
☐ Hyperpigmentation of the skin
☐ Hypopigmentation of the skin
☐ Hypohidrosis
☐ Ichthyosis
☐ Jaundice
☐ Lipoma
☐ Lymphedema
☐ Palmoplantar keratoderma
☐ Scarring of skin
☐ Skin rash
☐ Sparse hair
☐ Telangiectasia
☐ Vascular skin abnormality
☐ Velvety skin
☐ Other: _____

CARDIAC

- ☐ Amyloidosis
☐ Aortic root dilatation
☐ Arrhythmia
☐ Atrial septal defect
☐ Atrioventricular canal defect
☐ Arrhythmogenic right ventricular dysplasia
☐ Bicuspid aortic valve

- ☐ Bradycardia
☐ Coarctation of the aorta
☐ Congenital heart defect
☐ Dilated cardiomyopathy
☐ Double outlet right ventricle
☐ Ebstein anomaly
☐ Heterotaxy
☐ Hypertension
☐ Hypertrophic cardiomyopathy
☐ Mitral valve prolapse
☐ Noncompaction cardiomyopathy
☐ Patent ductus arteriosus
☐ Patent foramen ovale
☐ Prolonged QTc interval
☐ Pulmonary hypertension
☐ Arteria
☐ Vascular
- ☐ Sudden death
☐ Tetralogy of Fallot
☐ Transposition of the great vessels
☐ Truncus arteriosus
☐ Ventricular septal defect
☐ Ventricular tachycardia
☐ Other: _____

GASTROINTESTINAL

- ☐ Biliary atresia
☐ Cholestasis
☐ Constipation:
☐ Acute
☐ Chronic
- ☐ Diarrhea
☐ Diaphragmatic hernia
☐ Duodenal stenosis/atresia
☐ Esophageal stenosis/atresia
☐ Exocrine pancreatic insufficiency
☐ Failure to thrive
☐ Feeding difficulties
☐ Gastroesophageal reflux
☐ Gastroschisis
☐ Hepatomegaly
☐ Hepatosplenomegaly
☐ Inflammatory bowel disease
☐ Jaundice
☐ Liver disease
☐ Liver failure
☐ Nausea
☐ Omphalecele
☐ Pancreatitis
☐ Pyloric stenosis
☐ Splenomegaly
☐ Tracheoesophageal fistula
☐ Tube feeding
☐ Nasogastric
☐ Gastrostomy
☐ Gastrojejunal
- ☐ Umbilical hernia
☐ Vomiting
☐ Other: _____

GENITOURINARY

- ☐ Abnormality of the uterus,
Specify: _____
- ☐ Ambiguous genitalia
☐ Chordee
☐ Cryptorchidism
☐ Duplicated collecting system
☐ Horseshoe kidney
☐ Hydronephrosis
☐ Hypospadias/epispadias
☐ Inguinal hernia
☐ Micropenis
☐ Multicystic kidney dysplasia
☐ Nephrolithiasis
☐ Polycystic kidney disease
☐ Renal agenesis/hypoplasia
☐ Unilateral agnensis
☐ Bilateral agnensis
☐ Unilateral hypoplasia
☐ Blateral hypoplasia
- ☐ Sex reversal
☐ Vesicoureteral reflux
☐ Other: _____

MUSCULOSKELETAL

- ☐ Abnormal connective tissue
☐ Abnormal digit morphology
☐ Broad
☐ Short
☐ Clinodactyly
☐ Ectrodactyly
☐ Oligodactyly
☐ Polydactyly
☐ Postaxial
☐ Preaxial
☐ Syndactyly
- ☐ Arachnodactyly
☐ Arthralgia
☐ Arthrogryposis
☐ Bruising susceptibility
☐ Chest abnormality:
☐ Small chest
☐ Barrel-shaped
☐ Bell-shaped thorax
☐ Pectus carinatum
☐ Pectus excavatum
- ☐ Contractures of joint(s)
☐ Decreased muscle mass
☐ Delayed bone age
☐ Dolichostenomelia
☐ Exercise intolerance
☐ Fatigue
☐ Fracture(s)
☐ Hemihypertrophy
☐ Hypertonia
☐ Hypotonia
☐ Joint hypermobility
☐ Kyphosis
☐ Limb shortening:
☐ Mesomelic
☐ Micromelic
☐ Rhizomelic
- ☐ Metaphyseal abnormalities:
☐ Dumbbell

- ☐ Flared
☐ Muscle weakness
☐ Myalgia
☐ Myopathic facies
☐ Myopathy
☐ Myelomeningocele/Spina Bifida/ Neural Tube Defect
☐ Osteoarthritis
☐ Osteoporosis
☐ Osteopenia
☐ Pain:
☐ Absent/decreased
☐ Abnormal sensation
☐ Episodic
☐ Limb
☐ Muscle
☐ Platyospondyly
☐ Recurrent fractures
☐ Rhabdomyolysis
☐ Rib abnormality:
☐ Cupped
☐ Fused
☐ Supernumerary
☐ Missing
☐ Short

- ☐ Spatulate
☐ Other: _____
☐ Rickets
☐ Scoliosis
☐ Short stature
☐ Skeletal dysplasia
☐ Talipes
☐ Equinovarus
☐ Other: _____
☐ Tall stature
☐ Thoracic dysplasia
☐ Thumb abnormality:
☐ Adducted
☐ Broad
☐ Triphalangeal
☐ Vertebral bodies, abnormal form
☐ Aplasia/hypoplasia
☐ Butterfly
☐ Fusion
☐ Hemivertebrae
☐ Other: _____

VASCULAR SYSTEM

- ☐ Aneurysm
☐ Aortic:
☐ Abdominal

- ☐ Dissecting
☐ Thoracic
☐ Cerebral
☐ Other: _____
☐ Arterial calcification
☐ Arterial dissection
☐ Arterial tortuosity
☐ Arteriovenous malformation
☐ Epistaxis
☐ Lymphedema
☐ Pulmonary hypertension:
☐ Arterial
☐ Vascular
☐ Stroke
☐ Other: _____

OTHER TESTING

Provide copy of report(s)

Echocardiogram: _____
EEG: _____
EMG/NCV: _____
Biopsy: _____
Gene testing: _____
Results: _____

If you would like us to comment on the presence/absence of previously identified variants, provide a copy of the original report.

Chromosomal Microarray (CMA): _____
MRI brain: _____
MRI (other): _____
CT brain: _____
CT (other): _____
Muscle biopsy: _____
Ultrasound: _____
X-Ray: _____

METABOLIC FINDINGS • Attach relevant lab reports and values.

- ☐ Abnormal newborn screen
Specify: _____

Abnormal metabolic profile

(please check each metabolite outside normal limits)

- ☐ Acylcarnitine _____
☐ Acylglycines _____
☐ Amino Acids _____
☐ Amylase _____
☐ Biotindase _____
☐ Carnitine _____
☐ Cerebrospinal fluid _____
☐ Coenzyme/enzyme activity _____
☐ Creatine phosphokinase (CPK) _____
☐ Essential fatty acids _____
☐ Folate _____
☐ Hepatic Transaminase _____
☐ Homocysteine _____
☐ Hormones _____
☐ Ketones _____
☐ Lactic acidosis _____
☐ Lipase _____

- ☐ Lipoproteins _____
☐ Lysosomal enzymes _____
☐ Mucopolysaccharides _____
☐ Oligosaccharides _____
☐ Porphyrin _____
☐ Pterins _____
☐ Purines _____
☐ Pyrimidine _____
☐ Pyruvate _____
☐ Serum alpha fetoprotein (AFP) _____
☐ Sterols/Oxysterols _____
☐ Transferrin _____
☐ Uric acid _____
☐ Very long chain fatty acids (VLCFA) _____

Abnormal vitamin levels

(please check each vitamin measuring outside normal limits)

- ☐ Copper _____
☐ Magnesium _____
☐ Manganese _____
☐ Vitamin B6 _____
☐ Vitamin B12 _____

- ☐ Vitamin D _____
☐ Zinc _____
☐ Other _____

Other metabolic features

- ☐ Abnormal cerebrospinal fluid (CSF) studies _____
☐ Abnormal glycosylation _____
☐ Abnormal mitochondrial respiratory chain activity _____
☐ Hyperammonemia _____
☐ Hyperbilirubinemia _____
☐ Hyperglycemia _____
☐ Hyperlipidemia _____
☐ Hypoglycemia _____
☐ Hypolipidemia _____
☐ Plasma _____
☐ Urine _____
☐ Lactic Acidosis _____
☐ Metabolic Acidosis _____
☐ Methylmalonic aciduria _____
☐ Methylmalonic acidemia _____

ADDITIONAL NOTES

If additional space is required, please continue your response below. **Include a continued notation on the other or specify line.**

