Myelodysplastic syndromes (MDS) /Acute myeloid leukemia (AML) Panel

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The table shows the list of 69 genes

related to Myelodysplastic syndromes (MDS)/Acute myeloid leukemia (AML) conditions analyzed in this test.

Gene	Gene Associated Condition
ACD	Autosomal dominant dyskeratosis congenita-6, Autosomal recessive dyskeratosis congenita-7
ANKRD26	Thrombocytopenia-2
ATM	Ataxia-telangiectasia
BLM	Bloom syndrome
BRCA1	Fanconi anemia complementation group S
BRCA2	Fanconi anemia complementation group D1
BRIP1	Fanconi anemia complementation group J
CBL	Juvenile myelomonocytic leukemia, Noonan syndrome-like disorder with or without juvenile myelomonocytic leukemia
CEBPA	Acute myeloid leukemia
CHEK2	Li-Fraumeni syndrome-2
CSF3R	Hereditary Neutrophilia, Severe congenital neutropenia-7
CTC1	Telomere-related bone marrow failure 1
DDX41	Familial Myeloproliferative/lymphoproliferative neoplasms
DKC1	X-linked dyskeratosis congenita
ELANE	Cyclic neutropenia, Congenital neutropenia-1
EPCAM	Lynch syndrome2
ERCC4	Fanconi anemia of complementation group Q
ETV6	Thrombocytopenia-5
FANCA	Fanconi anemia of complementation group A
FANCB	Fanconi anemia of complementation group B
FANCC	Fanconi anemia of complementation group C
FANCD2	Fanconi anemia of complementation group D2
FANCE	Fanconi anemia of complementation group E
FANCF	Fanconi anemia of complementation group F
FANCG	Fanconi anemia of complementation group G
FANCI	Fanconi anemia of complementation group I
FANCL	Fanconi anemia of complementation group L
FANCM	Fanconi anemia of complementation group M
G6PC3	Congenital neutropenia-4
GATA1	X-linked anemia with or without neutropenia and/or platelet abnormalities, Hemolytic anemia due to elevated adenosine deaminase, X-linked thrombocytopenia with beta-thalassemia, X-linked thrombocytopenia with or without dyserythropoietic anemia
GATA2	Primary lymphedema with myelodysplasia, Immunodeficiency-21, Acute myeloid leukemia, Myelodysplastic syndrome
GFI1	Nonimmune chronic idiopathic neutropenia of adults, Congenital neutropenia-2
HAX1	Congenital neutropenia-3
HRAS	Noonan syndrome-associated myeloproliferative disease, Juvenile myelomonocytic leukemia3
IKZF1	Common variable immunodeficiency-13
KRAS	Noonan syndrome-3, RAS-associated autoimmune leukoproliferative disorder
LIG4	LIG4 syndrome, Multiple myeloma
MBD4	Tumor predisposition syndrome-2
MECOM	Radioulnar synostosis with amegakaryocytic thrombocytopenia-2
MLH1	Mismatch repair cancer syndrome-1
MPL	Thrombocythemia-2, Congenital amegakaryocytic thrombocytopenia
MSH2	Mismatch repair cancer syndrome-2
MSH6	Mismatch repair cancer syndrome-3
NBN	Aplastic anemia, Acute lymphoblastic leukemia, Nijmegen breakage syndrome
NF1	Juvenile myelomonocytic leukemia
NHP2	Autosomal recessive dyskeratosis congenita-2
NOP10	Autosomal recessive dyskeratosis congenita-1
PALB2	Fanconi anemia of complementation group N
PARN	Autosomal recessive dyskeratosis congenita-6, Telomere-related pulmonary fibrosis and/or bone marrow failure-4
PAX5	Acute lymphoblastic leukemia-3
PMS2	Mismatch repair cancer syndrome-4
PTPN11	Noonan syndrome-1
RAD51	Fanconi anemia of complementation group R
RAD51C	Fanconi anemia of complementation group O
RPS19	Diamond-Blackfan anemia-1
RTEL1	Autosomal recessive dyskeratosis congenita-4, Autosomal dominant dyskeratosis congenita-5, Telomere-related pulmonary fibrosis and/or bone marrow failure-3
RUNX1	Acute myeloid leukemia, Familial platelet disorder with associated myeloid malignancy
SAMD9	MIRAGE syndrome, Monosomy 7 myelodysplasia and leukemia syndrome-2
SAMD9L	Ataxia-pancytopenia syndrome, Monosomy 7 myelodysplasia and leukemia syndrome-1
SBDS	Shwachman-Diamond syndrome-1, Aplastic anemia
SLX4	Fanconi anemia of complementation group P
SOS1	Noonan syndrome-4
SRP72	Bone marrow failure syndrome-1
TERC	Autosomal dominant dyskeratosis congenita-1, Aplastic anemia
TERT	Autosomal dominant dyskeratosis congenita-2, Autosomal dominant dyskeratosis congenita-4, Telomere-related pulmonary fibrosis and/or bone marrow failure-1, Acute myeloid leukemia
TINF2	Autosomal dominant dyskeratosis congenita-3
TP53	Bone marrow failure syndrome-5
WAS	X-linked severe congenital neutropenia, X-linked thrombocytopenia
WRAP53	Autosomal recessive dyskeratosis congenita-3