

# Gen-Panels Mitochondriale Erkrankungen

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## Hinweise:

- Gen-Panels mit mehr als 10 Genen dürfen gemäss Analysenliste des BAG nur durch Ärzte mit einem FMH-Titel Medizinische Genetik verordnet werden.
- Die Gen-Panels sind nicht endgültig und können je nach Fragestellung auf Wunsch angepasst werden.
- Die Gen-Panels können abhängig von der aktuellen Datenlage zum Zeitpunkt der Analysen von denjenigen auf dieser Liste abweichen.

## Mitochondriale Erkrankungen, umfassendes Panel v8 (332 Gene)

AARS2, AASS, ABAT, ABCB7, ABHD5, ACACA, ACAD9, ACADL, ACADM, ACADS, ACADSB, ACADVL, ACAT1, ACO2, AFG3L2, AGK, AGL, AIFM1, AK2, ALAS2, ALDH3A2, ALDOA, AMPD1, AMT, ANO10, APTX, ATP5F1A, ATP5F1D, ATP5F1E, ATP5MC3, ATP7B, ATPAF2, AUH, BAG3, BCS1L, BOLA3, C12orf65, C19orf12, C1QBP, CA5A, CARS2, CHAT, CHCHD10, CHKB, CLPB, CLPP, COA3, COA5, COA6, COA7, COA8, COASY, COQ2, COQ4, COQ6, COQ7, COQ8A, COQ8B, COQ9, COX10, COX14, COX15, COX20, COX4I2, COX6A1, COX6B1, COX7B, COX8A, CPS1, CPT1A, CPT2, CYC1, D2HGDH, DARS2, DES, DGUOK, DLAT, DLD, DNA2, DNAJC19, DNM1L, EARS2, ECHS1, ELAC2, ENO3, EPRS1, ETFA, ETFB, ETFDH, ETHE1, EXOSC3, FARS2, FASTKD2, FBXL4, FDX2, FH, FLAD1, FOXRED1, FXN, G6PC1, GAA, GAMT, GARS1, GATM, GBE1, GCDH, GCSH, GFER, GFM1, GFM2, GLDC, GLRX5, GPD2, GTPBP3, GYG1, GYG2, GYS1, HADH, HADHA, HADHB, HARS2, HIBCH, HMGCL, HMGCS2, HNF1B, HPDL, HSD17B10, HSPD1, HTRA2, IARS2, IBA57, IDH2, ISCA1, ISCA2, ISCU, KIF5A, L2HGDH, LAMP2, LARS1, LARS2, LDB3, LDHA, LETM1, LIAS, LIPT1, LIPT2, LMNA, LPIN1, LRPPRC, LYRM4, LYRM7, MARS2, MDH2, MFF, MFN2, MGME1, MICOS13, MICU1, MICU2, MIEF1, MIPEP, MPC1, MPV17, MRPL12, MRPL3, MRPL44, MRPS14, MRPS16, MRPS2, MRPS22, MRPS34, MRPS7, MSTO1, MTFMT, MTO1, MTPAP, NARS2, NDUFA1, NDUFA10, NDUFA11, NDUFA12, NDUFA13, NDUFA2, NDUFA4, NDUFA6, NDUFA9, NDUFAF1, NDUFAF2, NDUFAF3, NDUFAF4, NDUFAF5, NDUFAF6, NDUFAF7, NDUFB10, NDUFB11, NDUFB3, NDUFB8, NDUFB9, NDUFS1, NDUFS2, NDUFS3, NDUFS4, NDUFS6, NDUFS7, NDUFS8, NDUFV1, NDUFV2, NFS1, NFU1, NGLY1, NR2F1, NUBPL, OGDH, OPA1, OPA3, OTC, OXCT1, PANK2, PARS2, PC, PCCA, PCCB, PCK2, PDHA1, PDHA2, PDHB, PDHX, PDP1, PDSS1, PDSS2, PET100, PFKM, PGAM2, PGK1, PGM1, PHKA1, PHKB, PHKG2, PMPCA, PMPCB, PNKD, PNPLA2, PNPLA8, PNPT1, POLG, POLG2, PPA2, PRKAG2, PSAP, PUS1, PYGM, QARS1, RARS1, RARS2, RMND1, RNASEH1, RRM2B, SACS, SARS2, SCN1A, SCO1, SCO2, SDHA, SDHAF1, SDHB, SDHC, SDHD, SERAC1, SFXN4, SLC16A1, SLC19A2, SLC19A3, SLC22A5, SLC25A1, SLC25A10, SLC25A12, SLC25A13, SLC25A15, SLC25A19, SLC25A20, SLC25A22, SLC25A26, SLC25A3, SLC25A38, SLC25A4, SLC25A46, SLC52A2, SLC6A8, SPAST, SPG7, SSBP1, STXBP1, SUCLA2, SUCLG1, SUGCT, SURF1, TACO1, TARS2, TAZ, TFAM, TIMM44, TIMM8A, TIMMDC1, TK2, TMEM126A, TMEM126B, TMEM70, TOP3A, TPK1, TRAP1, TRIT1, TRMT10C, TRMT5, TRMU, TRNT1, TSFM, TTC19, TUFM, TWNK, TXN2, TYMP, UQCC2, UQCC3, UQCRB, UQCRC2, UQCRCQ, VARS2, WARS2, WDR45, WFS1, XPNPEP3, YARS2