



Панели QIAGEN для целевого обогащения генов с технологией молекулярных индексов UMI

QIAseq Targeted DNA Panels для научных исследований

1. Human Breast Cancer Panel: 93 гена

DHS-001Z

ACVR1B, AKT1, APC, AR, ATM, ATR, AXIN2, BAP1, BARD1, BLM, BMPR1A, BRCA1, BRCA2, BRIP1, CASP8, CBF, CCND1, CDH1, CDK4, CDK6, CDKN2A, CHEK2, CSMD1, CTNNA1, CTNNB1, DIRAS3, EGFR, EP300, EPCAM, ERBB2, ERBB3, ERCC4, ESR1, EXOC2, EXT2, FAM175A, FANCC, FBXO32, FGFR1, FGFR2, GATA3, GEN1, HERC1, HOXB13, IRAK4, ITCH, KMT2C, KRAS, MAP2K4, MAP3K1, MDM2, MED12, MEN1, MLH1, MRE11A, MSH2, MSH6, MUC16, MUTYH, MYC, NBN, NCOR1, NEK2, NF1, PALB2, PALLD, PBRM1, PCGF2, PIK3CA, PIK3R1, PMS1, PMS2, PPM1L, PTEN, PTGFR, RAD50, RAD51, RAD51C, RAD51D, RB1, RET, SEPT9, SMAD4, SMARCA4, STK11, SYNE1, TGFB1, TP53, TRAF5, VHL, WEE1, XRCC2, XRCC3, ZBED4

2. Human Colorectal Cancer Panel: 71 ген

DHS-002Z

ACVR1B, AKT1, APC, ATM, ATP6V0D2, AXIN2, BAX, BLM, BMPR1A, BRAF, BRCA1, BRCA2, BUB1B, CASP8, CDC27, CDH1, CDK4, CDKN2A, CHEK2, CTNNA1, CTNNB1, DCC, DMD, EGFR, ENG, EP300, EPCAM, ERBB2, FBXW7, FGFR3, FLCN, FZD3, GALNT12, GPC6, GREM1, KIT, KRAS, MAP2K4, MAP7, MET, MIER3, MLH1, MLH3, MSH2, MSH3, MSH6, MUTYH, MYO1B, NRAS, PALB2, PIK3CA, PIK3R1, PMS1, PMS2, POLD1, POLE, PTEN, PTPN12, RET, RPS20, SCG5, SLC9A9, SMAD2, SMAD4, SRC, STK11, TCERG1, TCF7L2, TGFB2, TP53, WBSR17

3. Human Myeloid Neoplasms Panel: 141 ген

DHS-003Z

ABL1, ADA, ANKRD26, ASXL1, ASXL2, ATM, ATRX, BCL6, BCOR, BCORL1, BCR, BIRC3, BLM, BRAF, BRCA1, BRCA2, C17orf97, CALR, CARD11, CBL, CBLB, CBLC, CDKN2A, CEBPA, CHEK2, CREBBP, CRLF2, CSF1R, CSF3R, CTCF, CUX1, DAXX, DDX41, DNMT2, DNMT1, DNMT3A, EED, EGFR, ELANE, EP300, ETNK1, ETV6, EZH2, FAM154B, FAM47A, FAM5C, FAS, FBXW7, FLRT2, FLT3, GATA1, GATA2, GJB3, GNAS, HNRNPK, HRAS, IDH1, IDH2, IKZF1, IKZF3, IL7R, JAK1, JAK2, JAK3, KAT6A, KCNA4, KCNK13, KDM6A, KDR, KIT, KLHDC8B, KLHL6, KMT2A, KMT2C, KRAS, LRRC4, LUC7L2, MAP2K1, MLH1, MPL, MSH2, MSH6, MYC, MYD88, NBN, NF1, NOTCH1, NPAT, NPM1, NRAS, NSD1, NTRK3, OR13H1, OR8B12, P2RY2, PAX5, PCDHB1, PDGFRA, PHF6, PML, PMS2, PRAMEF2, PRF1, PRPF40B, PRPF8, PTEN, PTPN11, RAD21, RB1, RELN, RUNX1, SETBP1, SF1, SF3A1, SF3B1, SH2B3, SH2D1A, SMARCB1, SMC1A, SMC3, SRP72, SRSF2, STAG2, STAT3, STXBP2, SUZ12, TAL1, TERC, TERT, TET2, TNFRSF13B, TP53, TPMT, TUBA3C, U2AF1, U2AF2, WAS, WRN, WT1, XPO1, ZRSR2

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4. Human Lung Cancer Panel: 72 гена

DHS-005Z

AKT1, ALK, AMER1, APC, ARID1A, ATM, BAI3, BAP1, BRAF, CDKN2A, CDKN2B, CREBBP, CTNNB1, DDR2, EGFR, EPHA5, ERBB2, ERBB4, FBXO7, FBXW7, FGFR1, FGFR2, FGFR3, FHIT, GRM8, HRAS, JAK2, KDR, KEAP1, KIT, KMT2D, KRAS, LRP1B, MAP2K1, MDM2, MET, MGA, MLH1, MUC16, MYC, NF1, NFE2L2, NOTCH1, NRAS, NTRK1, NTRK2, NTRK3, PDGFRA, PIK3CA, PIK3CG, PIK3R1, PIK3R2, PKHD1, PTEN, PTPRD, RARB, RASSF1, RB1, RBM10, RET, RIT1, ROS1, RUNX1T1, SETD2, SMAD4, SMARCA4, SOX2, STK11, TNFAIP3, TP53, TSC1, U2AF1

5. Human Actionable Solid Tumor Panel: 23 гена

DHS-101Z

AKT1, ALK, BRAF, CTNNB1, EGFR, ERBB2, ERBB3, ESR1, FOXL2, GNA11, GNAQ, IDH1, IDH2, KIT, KRAS, MET, NRAS, PDGFRA, PIK3CA, RAF1, RET, TP53

6. Human BRCA1 and BRCA2 Panel: 2 гена

DHS-102Z

BRCA1, BRCA2

7. Human BRCA1 and BRCA2 Plus Panel: 6 генов

DHS-103Z

BRCA1, BRCA2, CDH1, PALB2, PTEN, TP53

8. Human Pharmacogenomics Panel: 39 генов

DHS-104Z

DPYD, ABCB1, ABCC2, ABCG2, CYP1A1, CYP1A2, CYP2A6, CYP2B6, CYP2C19, CYP2C8, CYP2C9, CYP2D6, CYP2E1, CYP3A4, CYP3A5, GSTP1, NAT1, NAT2, SLC15A2, SLC22A1, SLC22A2, SLC22A6, SLCO1B1, SLCO1B3, SLCO2B1, SULT1A1, TPMT, UGT1A1, UGT1A10, UGT1A3, UGT1A4, UGT1A5, UGT1A6, UGT1A7, UGT1A8, UGT1A9, UGT2B15, UGT2B7

9. Human Mitochondria Panel: 6 генов

DHS-105Z

ATP Synthase (Complex V): MT-ATP6, MT-ATP8; Cytochrome C Oxidase (Complex IV): MT-CO1, MT-CO3; NADH dehydrogenase (Complex I): MT-ND1, MT-ND2.

10. Human Inherited Disease Panel: 297 генов

DHS-3011Z

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ABCB11, ABCC8, ABCD1, ACADM, ACADS, ACADVL, ADA, ADAMTS13, ADAMTS2, AGA, AGL, AGPS, AHI1, AIP, AKT1, ALDH3A2, ALDOB, ALK, ALS2, AMPD1, ANTXR1, ANTXR2, APC, ARSA, ARX, ASAH1, ASCC1, ASL, ASPA, ASS1, ATM, ATP7A, ATP7B, ATP8B1, ATR, AXIN2, BAP1, BARD1, BCKDHA, BCKDHB, BLM, BMPR1A, BRCA1, BRCA2, BRIP1, BTBD, BTK, BUB1B, CBS, CD96, CDC73, CDH1, CDH23, CDK4, CDKN1B, CDKN2A, CEBPA, CEP290, CFTR, CHEK1, HEK2, CHM, CLN3, CLN5, CLN6, CLN8, COL1A2, COL4A3, COL4A4, COL7A1, CRTAP, CTNS, CTSK, CYLD, CYP11A1, CYP21A2, CYP27A1, CYP27B1, DBT, DCX, DDB2, DHCR7, DICER1, DIS3L2, DKC1, DLD, DMD, DNAJB2, EDA, EDN3, EDNRB, EGR2, EHBP1, EPCAM, PHB2, ERCC2, ERCC3, ERCC4, ERCC5, ERCC6, ESCO2, EXT1, EXT2, F11, F5, FAH, FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, FGD4, FH, FKRP, FKTN, FLCN, FMR1, G6PC, GAA, GALNT12, GALT, GATA2, GBA, GCDH, GJB2, GLA, GLB1, GLI3, GLMN, GNPTAB, GPC3, HADHA, HADHB, HBB, HESX1, HEXA, HEXB, HFE, HGSNAT, HRAS, IDUA, IGHMBP2, IKBKAP, IL2RG, INVS, KCNQ1, KDR, KIF1B, KIT, KLHDC8B, L1CAM, LAMA2, LHX3, LIG4, LRPPRC, LYST, MAPK10, MAX, MC1R, MCCC2, MCOLN1, MECP2, MEFV, MEN1, MET, MFSD8, MITF, MKS1, MLH1, MLH3, MMAB, MPZ, MRE11A, MSH2, MSH6, MSMB, MSR1, MTAP, MTHFR, MTM1, MUT, MUTYH, MYO7A, NBN, NDUFA13, NEB, NF1, NF2, NPC1, NPC2, NPHP1, NPHP4, NTRK1, NUP62, OTC, P3H1, PAH, PALB2, PALLD, PAX6, PCDH15, PDE11A, PDGFRA, PDHA1, PEX1, PEX7, PHOX2B, PIK3CA, PKHD1, PLEKHG5, PLOD1, PLP1, PMP22, PMS2, POLD1, POLE, POLH, POMGNT1, POMT1, POU1F1, POU6F2, PPT1, PRKAR1A, PROC, PROP1, PRX, PSAP, PTCH1, PTCH2, PTEN, RAD50, RAD51B, RAD51C, RAD51D, RB1, RECQL4, RET, RHBDF2, RNASEL, RPGRIP1L, RS1, RSPO1, RTEL1, RUNX1, SBDS, SCNN1A, SCNN1B, SCNN1G, SDHA, SDHAF2, SDHB, SDHC, SDHD, SGSH, SLC26A2, SLC37A4, SLX4, SMAD4, SMARCA4, SMARCB1, SMPD1, SOX10, STAR, STK11, SUFU, TERC, TERT, TGFBR1, TINF2, TMC6, TMC8, TMEM127, TMEM67, TNNT1, TP53, TPP1, TRPV4, TSC1, TSC2, TSHB, UBA1, UROD, UROS, USH1C, USH1G, VHL, WAS, WRN, WT1, XPA, XPC, XRCC3, ZIC3

11. Human Comprehensive Cancer Panel: 275 генов

DHS-3501Z

ABL1, ACVR1B, AKT1, AKT2, AKT3, ALK, AMER1, APC, AR, ARAF, ARID1A, ARID1B, ARID2, ASXL1, ATM, ATR, ATRX, AURKA, AURKB, AURKC, AXIN1, AXIN2, B2M, BAP1, BCL2, BCL2L1, BCL6, BCOR, BCORL1, BCR, BIRC3, BLM, BRAF, BRCA1, BRCA2, BRIP1, BTK, CALR, CARD11, CBL, CBLB, CBLC, CCND1, CCND3, CCNE1, CD274, CD79A, CD79B, CDC73, CDH1, CDK12, CDK4, CDK6, CDKN2A, CDKN2B, CDKN2C, CEBPA, CHEK1, CHEK2, CIC, CREBBP, CRLF2, CSF1R, CSF3R, CTCF, CTNNA1, CTNNB1, CUX1, CXCR4, CYLD, DAXX, DDR2, DICER1, DNM2, DNMT3A, DOT1L, EED, EGFR, EGLN1, EP300, EPAS1, EPHA3, EPHA5, ERBB2, ERBB3, ERBB4, ERG, ESR1, ETV6, EXO1, EZH2, FAM175A, FAM46C, FANCA, FANCC, FANCD2, FANCE, FANCF, FANCG, FAS, FBXW7, FGF4, FGF6, FGFR1, FGFR2, FGFR3, FGFR4, FH, FLCN, FLT3, FLT4, FOXL2, FUBP1, GALNT12, GATA1, GATA2, GATA3, GEN1, GNA11, GNAQ, GNAS, GREM1, GRIN2A, H3F3A, HGF, HIST1H3B, HNF1A, HOXB13, HRAS, HSP90AA1, ID3, IDH1, IDH2, IGF1R, IKZF1, IKZF3, IL7R, INHBA, IRF4, JAK1, JAK2, JAK3, KAT6A, KDM5C, KDM6A, KDR, KEAP1, KIT, KMT2A, KMT2B, KMT2C, KMT2D, KRAS, LRP1B, MAP2K1, MAP2K2, MAP2K4, MAP3K1, MAP3K14, MAPK1, MCL1, MDM2, MDM4, MED12, MEF2B, MEN1, MET, MITF, MLH1, MPL, MRE11A, MSH2, MSH6, MTOR, MUTYH, MYC, MYCL, MYCN, MYD88, NF1, NF2, NFE2L2, NFKBIA, NKX2-1, NOTCH1, NOTCH2, NOTCH3, NPM1, NRAS, NSD1, NTRK1, NTRK2, NTRK3, PAK3, PALB2, PAX5, PBRM1, PDGFRA, PDGFRB, PHF6, PIK3CA, PIK3R1, PIK3R2, PIM1, PLCG1, PMS1, PMS2, POLD1, POLE, PPM1D, PPP2R1A, PRDM1, PRKAR1A, PRKDC, PRSS1, PTCH1, PTEN, PTPN11, RAC1, RAD21, RAD50, RAD51, RAF1, RB1, RET, RHEB, RHOA, RIT1, RNF43, ROS1, RUNX1, SDHB, SETBP1, SETD2, SF3B1, SMAD2, SMAD4, SMARCA4, SMARCB1, SMC1A, SMC3, SMO, SOCS1, SOX2, SOX9, SPOP,

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Если у вас возникли вопросы, пожалуйста, свяжитесь с нами.

С уважением,

Алексей Аникаев

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