cn50C vs. cn50P Synonymous mutations Functional mutations 1.0 Cancer genes * ZNF781: p.Leu104Arg COQ6: p.Ala11Val UNC80: p.His3259Tyr MUC16: p.Asp4809<u>Asn</u> Asn EIF4E2: p.Gln39His ZBTB6: p.Ile351Val KRTAP10-3: p.Ser156Phe KCNH8: p.Ser570GANAB: p.His594Pro ELSR3: p.Asp596= FAM214B: p.Pro291Arg MUN16 p.Pro2109Serle FAM221B: p.Glu50Gln SXL3: p.Gln2194His 6A19: p.Thr260Arg CARD11: p:Gln231His27 Gln384Arg SOS1:p.Leu134Pher PPBP: D. va. 194 HROB: p.Ser52375 C3: p.Arg153Lei SIK3: p.Lc NAH6: p.Ile3257Thr : p.Glu839= SENP7: p.Tyr546CysAM11: p.Glu74Lys ANXA2: p.Asn60Tyr PPL: p.Glu562Gln cu₂ PPL: p.Trp625Ser CAP1: p.Ala259Ser TMEM94: p.Asn17Ser GLI3: p.Glu554LyS1: p.Cys950Trp OSMR: p.Glu313Lys PDZD2: p.Gly314 OLAH: p.Glu51172Ter ys CDC40: p.Asp310His POLM: p.Leu279= CDC40: p.Asp310His PCMS PLeu279= CDC40: p.Asp310His PCMS PRANCE PROBLEM PROB PDZD2: p.Gly314Arg VNN2: p.Val419Leu DUOXA2: p.His174TyrCAB6: p.Phe908Tyr MMS22L: p.Gln240Leu RBM20: p.Ser75= KIF21B: p.Ne158TRDN: ZNF207: p.Arg481Ter FAP46: p.Met226LeuR2W3; p.Val212Met REV3L: p.Cys2108 = TM7SF3: FMN2: p.Gly58AlafsTer24: p.Ala428Asp

DNIALIO

ALDH4A1: p.Ala92ser SP4: p.G

SP4: p.G

DNIALIO

Ala428Asp PRKDO: p.Glu2578Ter SP4: p.Gly248Val SPATA5: p.Arg826= CPNE4: p.Phe189= SPAG4: p.Arg6Ser OR2L8: p.Leu238Ter UTP20: p.His63Leu CDH13: p.Ile164=MC3: p.Ser137Fne CDH2: p.Glu783Gln PSKH2: p.Gln178His EPB41L1: p.Leu1474= MYO3A: p.Lys1466Ter OR14C36: p.Ser52Gly 0.0 FMN2: p.Glu60ValfsTer80 UGGT1: p.Thr1541= GOLGA8H: p.Asn289Lys ACAD11: p.Glu286Lys ACAD11: p.Glu286Lys LRRC52: p.Ser115Leu VAF of cn50C (CIS+AIS)