HIST1H3B RAB2A\_SMC4 LMNB<sub>1</sub> CSNK2A1 VRK2 TUBGCP3 NIPBL KMT5A NCAPD3 NCAPD3 NCAPD3 PCM1/HAUS3 ESPL1 RB1 NCAPDOUMA1 PRKCA TUBGCP5 PHF8 M2AFJ CEP57 NEK7 RAB1A ENSA VRK1 TUBB6 TUBB3 ANKLE2 NCAPG CEP192—FBXO5 TUBB2A PDS5B WAPL ZWILCH PPP2R5C CCNB2 PSMD11 M Phase KIP2C, DYNC1H1 PSMD5 PSMD14 SMC3 CLASP1 CCNBLASP2 YWHAE HIST1H2BD STAG2 MIST2 NUP210-CENPERPEZRIB ANAPC10 NUP205 STAG1 STAG1 CENPE NDC80-HIST1H2BH size NUP205 \\STAG1 UBA2 NUP58 NUP153 TPR BUB1 PLK1 CENPN C 56 CKAP5-PSME1 76 NCOR2 NCOA1 NUP93 PPP2RFAFAH1BYNC1LI KNTC1 CDC20 H2AFX RANGAP1 MAD1L1CENPI RAD 21 CDC25C CTBP1 PPARGC1A 97 XRCC4 HDAC2 NUP1551 AURKB \SPC25 KAT5<sub></sub> NUPSP2R5E SAFB RXRA NUP160 NUP107 | KPO1 ATR UBE2V2 117 NUP37 NUP98 | SEH1L KIF2A MCM4 KF18A DAXX NFKBIA SUMOylation NUP133 Cell Cycle Checkpoints ORC5 TOPBP1 CCNA2, NSMCE4A PIAS1 SIRMO283 ligases SUMOylate target proteins SPDL1 BRIP1 CHEK1 RANBP2 MITF NR2C1-TOPORS CDKN1A NSD2 BRCA1 WRN SMC6 TOP2B SUZ12 UBE2N HERC2 TP53BP1 N GTSE1 CDK2 //AURKA MDC1 BLM PHF20 MRE11 NFKBDDX17NRIP1/ SFN CDC7 ORC4 YWHAZ 050 RFC3 WBN .DNMT1 CREBBP HDAC4 NCOA2 RAD50 RFC3 TOP2A SMC5 SP100 ORC3 \ORC2 RBBP8 EP300 MRTFA CBX4 TDG ORC6 'BARD1 ING2 NR3C1 TOP1