

**Table 5. Previously analyzed CIN genes with homologs in *S. cerevisiae***

<b>Celera accession</b>	<b>Genbank accession</b>	<b>Human Gene</b>	<b>Other gene name</b>	<b>Top yeast hit</b>
hCT1826039	NM_001184	ATR		MEC1
hCT1826040	NM_001184	ATR		MEC1
hCT31470	NM_006768	BRAP		YHL010C
hCT1643963	NM_001254	CDC6		CDC6
hCT30161	NM_001274	CHK1		CHK1
hCT23387	NM_004734	DCAMKL1		DUN1
hCT32971	NM_007068	DMC1		DMC1
hCT20952	NM_000123	ERCC5		RAD2
hCT32115	NM_004111	FEN1	RAD27	RAD27
hCT11790	NM_012415	FSBP	RAD54B	RDH54
hCT2334792	NM_005591	MRE11A	MRE11	MRE11
hCT32914	NM_021076	NEFH		CHS5
hCT23665	NM_004153	ORC1L		ORC1
hCT30362	NM_002592	PCNA		POL30
hCT13660	NM_002647	PIK3C3	VPS34	VPS34
hCT14027	NM_002691	POLD1		CDC2
hCT23655	NM_006231	POLE		POL2
hCT87415	NM_006231	POLE		POL2
hCT28290	NM_133338	RAD17		RAD24
hCT15239	NM_005732	RAD50		RAD50
hCT30207	NM_133487	RAD51		RAD51
hCT1686440	NM_134422	RAD52		RAD52
hCT13183	NM_003579	RAD54L		RAD54
hCT29790	NM_002913	RFC1		RFC1
hCT9089	NM_002914	RFC2		RFC4
hCT23382	NM_002915	RFC3		RFC5
hCT30904	NM_007370	RFC5		RFC3
hCT19876	NM_002945	RPA1		RFA1
hCT23494	NM_012238	SIRT1		SIR2
hCT29050	NM_012239	SIRT3		HST2
hCT18373	NM_004628	XPC		RAD4
hCT1817729	NM_012291		ESPL1/SEPARASE	ESP1