

### **Supplementary Table 1:**

Table showing proteins, including DBC1 (CCAR2), identified by 3 or more gene-unique peptides following LC-MS-MS analysis of PyST immunoprecipitated complex.

<b>S.No.</b>	<b>Protein Description</b>	<b>Gene Symbol</b>	<b>Unique Seqs.</b>	<b>Sequence Coverage</b>
1	Nuclear pore complex protein Nup153	NUP153	24	22.17
2	Nuclear pore complex protein Nup50	NUP50	14	38.89
3	Kinesin-like protein KIFC1	KIFC1	11	21.1
4	Importin subunit alpha-1	KPNA2	10	22.68
5	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	PPP2R1A	9	21.39
6	Importin subunit beta-1	KPNB1	7	10.5
7	Transcriptional coactivator YAP1	YAP1	7	25.99
8	Phosphatidate phosphatase LPIN1	LPIN1	7	13.6
9	E3 SUMO-protein ligase RanBP2	RANBP2	6	4.44
10	<b>Cell cycle and apoptosis regulator protein 2</b>	<b>CCAR2 (DBC1)</b>	<b>6</b>	<b>11.7</b>
11	Kinesin-like protein KIF18B	KIF18B	6	7.18
12	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform	PPP2R1B	5	9.32
13	WW domain-containing transcription regulator protein 1	WWTR1	5	21.5
14	WD repeat-containing protein 25	WDR25	4	9.74
15	Cell division cycle-associated protein 2	CDCA2	4	7.62
16	Forkhead box protein P4	FOXP4	4	10.59
17	mRNA cap guanine-N7 methyltransferase	RNMT	4	10.71
18	Cullin-5	CUL5	4	5.64
19	Nuclear mitotic apparatus protein 1	NUMA1	4	3.22
20	Ran GTPase-activating protein 1	RANGAP1	3	6.3
21	Phosphatidate phosphatase LPIN2	LPIN2	3	4.46

**Supplementary Table 2:**

Unique peptide sequences of DBC1 that were detected in mass spectrometric analysis.

<b>Peptide sequence</b>	<b>Variable Modifications</b>	<b>Exptal. mz</b>	<b>Chrg.</b>	<b>Peptide score</b>	<b>Start Pos.</b>	<b>End Pos.</b>
VQTLSNQPLLK	None	620.86753	2	47.83	113	123
SPAPLLHVAALGQK	None	500.2963	3	42.09	124	138
FAEFQYLQPGPPR	None	775.39254	2	28.2	405	417
ADSWVEKEEPAPSN	None	779.85608	2	55.12	910	923
EAAPDAGAEPITADS DPAYSSK	None	1081.99344	2	113.14	288	309
AAEAAPPTQEAQGETE PTEQAPDALEQAADTSR	None	1127.51892	3	109.33	447	479