

**Supplementary Table 1. Jade-1S.GFP interactors identified by mass spectrometry.** The table indicates logarithmic fold changes for the Jade-1S WT pulldown and p-values for every identified protein as compared to a control GFP.GFP pulldown.

Gene	Protein	Fold change (Log2)	Significance (-Log p)
<i>Phf17</i>	Protein Jade-1	11.58748388	6.488407816
<i>Kat7</i>	Histone acetyltransferase KAT7	9.896674633	6.413039082
<i>Hdgfrp2</i>	Hepatoma-derived growth factor-related protein 2	3.858736992	3.559511646

**Supplementary Table 2. Jade-1S S18/20A.GFP interactors identified by mass spectrometry.** The table indicates logarithmic fold changes for the Jade-1S S18/S20A pulldown and p-values for every identified protein as compared to a control GFP.GFP pulldown.

Gene	Protein	Fold change (Log2)	Significance (-Log p)
<i>Phf17</i>	Protein Jade-1	11.28538847	5.622053751
<i>Kat7</i>	Histone acetyltransferase KAT7	9.998484135	5.691176154
<i>Bysl</i>	Bystin	5.147125721	2.453458798
<i>Ccdc86</i>	Coiled-coil domain-containing protein 86	4.674025059	2.926472001
<i>Ddx18</i>	ATP-dependent RNA helicase DDX18	4.60942173	1.675659649
<i>Abcf1</i>	ATP-binding cassette sub-family F member 1	4.450901508	2.283493119
--	Uncharacterized protein C1orf131 homolog	4.327228069	2.776066148
<i>Rps19bp1</i>	Active regulator of SIRT1	4.254776955	2.266449296
<i>Polr2b</i>	DNA-directed RNA polymerase II subunit RPB2	4.063534737	2.011842407
<i>Rrp12</i>	RRP12-like protein	4.024551392	1.953322369
<i>Hdgfrp2</i>	Hepatoma-derived growth factor-related protein 2	4.002706051	4.488044798
<i>Eif5b</i>	Eukaryotic translation initiation factor 5B	3.979580879	2.400242102
<i>D8Ertd738e</i>	Leydig cell tumor 10 kDa protein homolog	3.970445156	2.641480205
<i>Aatf</i>	Protein AATF	3.967655659	2.271990917
<i>Ttf1</i>	Transcription termination factor 1	3.535679817	2.191032725

<i>Cd3eap</i>	DNA-directed RNA polymerase I subunit RPA34	3.484514713	3.529631828
<i>Hmgn1</i>	Non-histone chromosomal protein HMG-14	3.413878918	1.287837819
<i>Dnttip2</i>	Deoxynucleotidyltransferase terminal-interacting protein 2	3.273286343	2.85628776
<i>Topors</i>	E3 ubiquitin-protein ligase Topors	3.225662231	1.514399324
<i>Phf20l1</i>	PHD finger protein 20-like protein 1	3.208351135	2.091799544
<i>Map1a</i>	Microtubule-associated protein 1A;MAP1A heavy chain;MAP1 light chain LC2	3.177492142	1.729608182
<i>Phf2</i>	Lysine-specific demethylase PHF2	3.154909134	2.12114184
<i>Gatad2b</i>	Transcriptional repressor p66-beta	3.112024307	2.313645402
<i>Nol10</i>	Nucleolar protein 10	3.10989809	2.46912873
<i>Ftsj3</i>	pre-rRNA processing protein FTSJ3	2.967365742	2.465863831
<i>Sfswap</i>	Splicing factor, suppressor of white-apricot homolog	2.905473232	2.230120357
<i>1810009A15Rik</i>	RIKEN cDNA 1810009A15 gene	2.904718399	2.245193781
<i>Chd3</i>	chromodomain helicase DNA binding protein 3	2.885787964	1.845282622
<i>Mrps12</i>	28S ribosomal protein S12, mitochondrial	2.828429222	1.516774648
<i>Atp5j2</i>	ATP synthase subunit f, mitochondrial	2.8143363	1.977281954
<i>Gpatch8</i>	G patch domain-containing protein 8	2.72851181	6.026863015
<i>Smarca2</i>	Probable global transcription activator SNF2L2	2.651977062	1.715837729
<i>Bud13</i>	BUD13 homolog	2.639995575	2.259977428
<i>Ubn1</i>	Ubinuclein-1	2.635416508	2.901711303
<i>Kdm5a</i>	Lysine-specific demethylase 5A	2.485868454	4.377375752
<i>Mta2</i>	Metastasis-associated protein MTA2	2.452382088	1.568135899
<i>Top1</i>	DNA topoisomerase 1	2.412335873	2.527779341
<i>Chd4</i>	Chromodomain-helicase-DNA-binding protein 4	2.410351276	2.957226059
<i>Nop58</i>	Nucleolar protein 58	2.371155262	2.78311789
<i>Rsl1d1</i>	ribosomal L1 domain containing 1	2.312812805	2.100260839
<i>Hmgxb4</i>	HMG box domain containing 4	2.286305428	2.66130905
<i>Scaf1</i>	Splicing factor, arginine/serine-rich 19	2.27781105	2.372854053
<i>Rpl23a</i>	60S ribosomal protein L23a	2.272258759	1.922928396

<i>Ddx27</i>	Probable ATP-dependent RNA helicase DDX27	2.250379562	2.37004764
<i>Bbx</i>	HMG box transcription factor BBX	2.183432102	3.042825676
<i>Hist1h1b</i>	Histone H1.5	2.136013985	2.736942831
<i>Usp16</i>	Ubiquitin carboxyl-terminal hydrolase 16	2.118464947	2.483403005
<i>Cwc25</i>	Pre-mRNA-splicing factor CWC25 homolog	2.077371597	2.738245935
<i>Puf60</i>	Poly(U)-binding-splicing factor PUF60	2.048453808	2.502633072
<i>Nop56</i>	Nucleolar protein 56	2.034843922	2.975545479
<i>Pogz</i>	Pogo transposable element with ZNF domain	2.0273242	2.101907157
<i>Gtpbp4</i>	Nucleolar GTP-binding protein 1	1.916981697	2.573997237
<i>Fbl</i>	rRNA 2-O-methyltransferase fibrillarin	1.838469028	3.170211469