



**Supplemental Figure 1: Kyte-Doolittle hydrophobicity plots of truncated substrates identified in the 2-hybrid cDNA library selection. All truncated substrates were evaluated using the Kyte-Doolittle hydrophobicity scale with a moving window of 10 residues.**

**Supplemental Table 1: Plasmids used in this study**

<b>Plasmid</b>	<b>Encoded Protein</b>	<b>Vector</b>	<b>Source</b>
pRG115	GAD	pGAD-C1	James et al., 1996
pRG1260	GBD-Ubp10(C371S)	pGBD-C1	This study
pRG1297	GBD-San1(C279S)-3HSV	pGBD-C2	Rosenbaum et al., 2010
pRG1017	GAD-Peptide 1	pRS425	Rosenbaum et al., 2010
pRG1019	GAD-Peptide 2	pRS425	Rosenbaum et al., 2010
pRG1020	GAD-Peptide 3	pRS425	Rosenbaum et al., 2010
pRG1034	GAD-Peptide 4	pRS425	Rosenbaum et al., 2010
pRG1036	GAD-Peptide 5	pRS425	Rosenbaum et al., 2010
pRG1039	GAD-Peptide 6	pRS425	Rosenbaum et al., 2010
pRG1503	GAD-Peptide A	pGAD424	This study
pRG1527	GAD-Peptide B	pGAD424	This study
pRG1530	GAD-Peptide C	pGAD424	This study
pRG1543	GAD-Peptide D	pGAD424	This study
pRG1869	GAD-Peptide E	pGAD424	This study
pRG1575	GAD-Peptide F	pGAD424	This study
pRG1576	GAD-Peptide G	pGAD424	This study
pRG1863	GAD-Peptide H	pGAD424	This study
pRG1865	GAD-Peptide I	pGAD424	This study
pRG1859	GAD-Peptide J	pGAD424	This study
pRG1968	GAD-Random peptide K	pGAD424	This study
pRG1969	GAD-Random peptide L	pGAD424	This study
pRG1970	GAD-Random peptide M	pGAD424	This study
pRG1971	GAD-Random peptide N	pGAD424	This study
pRG1973	GAD-Random peptide O	pGAD424	This study
pRG2006	GAD-Random peptide P	pGAD424	This study
pRG2007	GAD-Random peptide Q	pGAD424	This study
pRG2009	GAD-Random peptide R	pGAD424	This study
pRG2012	GAD-Random peptide S	pGAD424	This study
pRG2014	GAD-Random peptide T	pGAD424	This study
pRG1273	NLS-GFP-Peptide 2	pRS425	This study
pRG1274	NLS-GFP-Peptide 3	pRS425	This study
pRG1291	NLS-GFP-Peptide 6	pRS425	This study
pRG2305	NLS-GFP-Peptide E	pRS425	This study
pRG2304	NLS-GFP-Peptide I	pRS425	This study
pRG2291	NLS-GFP-Peptide J	pRS425	This study
pRG2812	NLS-GFP-Peptide K	pRS425	This study
pRG2813	NLS-GFP-Peptide L	pRS425	This study
pRG2815	NLS-GFP-Peptide N	pRS425	This study
pRG2816	NLS-GFP-Peptide O	pRS425	This study
pRG2817	NLS-GFP-Peptide P	pRS425	This study
pRG2819	NLS-GFP-Peptide R	pRS425	This study

pRG2427	NLS-GFP-LSSNVYRA	pRS425	This study
pRG2428	NLS-GFP-LFVFLYIII	pRS425	This study
pRG2429	NLS-GFP-LIYILYVILL	pRS425	This study
pRG2430	NLS-GFP-VEKGRYDVLF	pRS425	This study
pRG2449	NLS-GFP-TSTILYVILL	pRS425	This study
pRG2577	NLS-GFP-TSTSTYVILL	pRS425	This study
pRG2578	NLS-GFP-TSTSTSVILL	pRS425	This study
pRG2656	NLS-GFP-TSTFVLYIII	pRS425	This study
pRG2658	NLS-GFP-TSTSTLYIII	pRS425	This study
pRG2659	NLS-GFP-TSTSTSYIII	pRS425	This study
pRG1437	GAD-Rad16*	pGAD-C1	This study
pRG1964	GAD-Rad16* <sup>Δh</sup>	pGAD-C1	This study
pRG1974	GAD-Rad16* <sup>hydro only</sup>	pGAD-C1	This study
pRG1016	GAD-Sed1*	pGAD-C1	Rosenbaum et al., 2010
pRG1456	GAD-Sed1* <sup>Δh</sup>	pGAD-C1	This study
pRG1959	GAD-Sed1* <sup>hydro only</sup>	pGAD-C1	This study
pRG1051	Rad16*-GFP	pRS425	This study
pRG1418	Rad16* <sup>Δh</sup> -GFP	pRS425	This study
pRG2396	NLS-GFP-Rad16* <sup>hydro only</sup>	pRS425	This study
pRG2397	NLS-GFP-Sed1*	pRS425	This study
pRG2398	NLS-GFP-Sed1* <sup>Δh</sup>	pRS425	This study
pRG2395	NLS-GFP-Sed1* <sup>hydro only</sup>	pRS425	This study
pRG2623	6His-Ura3	pACYC-Duet	This study
pRG2671	6His-Ura3-2	pACYC-Duet	This study
pRG2625	6His-Ura3-3	pACYC-Duet	This study
pRG2686	NLS-GFP-Ura3	pRS425	This study
pRG2687	NLS-GFP-Ura3-2	pRS425	This study
pRG2688	NLS-GFP-Ura3-3	pRS425	This study
pRG924	Rad16*	pTCG	This study
pRG1440	Rad16* <sup>Δh</sup>	pTCG	This study