

**Table S1. Oskar two-hybrid screen hits**

Number of clones	ID/comments	<i>lacZ</i>	-Leu growth	Potential function
119	Vas (CG3506)	3	3	Known Oskar interactor
18	Lasp (CG3849)	3	2	Actin binding protein
11	RPL31	2	2	Ribosomal protein
5	Mtrm (CG18543)	1	1	Unknown, cell cycle arrest
5	CG3731 (rat MPPB)	3	2	Peptidase
3	Homo, fragile X like	1	1	Unknown
2	CG13083	2	2	Chorion
2	CG2774	2	2	Phosphoinositide binding?
2	CG31223	3	2	Human: snRNA activating 190 kDa protein complex
1	Nocturnin (CG31299)	2	3	Unknown
1	16S rRNA gene	3	2	Ribosomal RNA gene
1	CG30497	2	1	Unknown
1	Cactus (CG5848)	2	0	Dorsal repressor
1	CG11063	2	3	Nuclear receptor, Lim domain Zn finger
1	CG5746	3	3	Unknown
1	Smox (CG31223)	3	1	Smad

Clone IDs and number of times found among the initial 480 clones analyzed. *lacZ* and -Leu growth numbers represent arbitrary numbers reflecting signal strength (*lacZ*) or growth rate (-Leu) on a scale from 1 (weak) to 3 (strong). Clones that were not studied further were either non-specific, showed very low *lacZ* expression or did not interact reproducibly.