

Supplemental information

**Mammalian oocytes store proteins
for the early embryo on cytoplasmic lattices**

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Table S1: Oligonucleotides for expression construct cloning, related to Figure 1, S1, and STAR methods.

Primer name	Primer number	Sequence 5'-3'
PADI6exon2_genotyping_F	P1	TGCACCAGACAAGTGCAAGT
PADI6exon3_genotyping_R	P2	CCGGTGAGAAACAGCACAG
HT-Padi6_wt_F	P3	TTGAGATGTAGCACCCAGAC
HT-Padi6_wt_R	P4	ACCAGAGACAGGCTGAGTG
HT-Padi6_tg_R	P5	TGTCGGATTTGCCCATAC
TLE6_genotyping_F	P6	ACTCTAACCCAGGCCATCCT
TLE6_genotyping_WT_R	P7	TCAGCAGGTGAAGGTGATTG
TLE6_genotyping_KO_R	P8	CAGAAAGCGAAGGAGCAAAG
Padi6_F_GW_2	P9	CACCGCCATGTCTTTTCAGAACTCACTCA
Padi6_R_GW_nonstop_2	P10	TGGGGTCATCTTCCACCACTTG
Tle6_F_GW_2	P11	CACCATGACTTCCCACAGACAGAGCAG
Tle6_R_GW_nonstop_2	P12	GTA CTTGATGTGGTACACCGAGG
Ooep_ENTR_F	P13	CACCATGGCATCCCACACGGC
Ooep_R_GW_nonstop_2	P14	AGACTCCATCTGTGTTTCTCTTCC
FILIA_ENTR_F	P15	CACCATGGCCTCTCTGAAGAGGTTTC
FILIA_ENTR_stop_R	P16	CTACTCTGTTCTTCCCGATTCTGC
N_Halo_NheI_F	P17	TATAGCTAGCATGGCAGAAATCGGTACTGGC
N_Halo_XhoI_R	P18	TATACTCGAGGGAAATCTCCAGAGTAGACAGCCAG

Table S2: MS2 scan isolation windows, related to Figures 4 and S4.

<i>m/z</i>	<i>z</i>	Isolation window (<i>m/z</i>)
356.375	3	12.8
367.5	3	10.5
377.5	3	10.5
387	3	9.5
395.5	3	8.5
404	3	9.5
412.5	3	8.5
420	3	7.5
427.5	3	8.5
435.5	3	8.5
443	3	7.5
450.5	3	8.5
458	3	7.5
465	3	7.5
472	3	7.5
479	3	7.5
486	3	7.5
493	3	7.5
500	3	7.5
507	3	7.5
514	3	7.5
521	3	7.5
528	3	7.5
534.5	3	6.5
541	3	7.5
548	3	7.5
555	3	7.5
562	3	7.5
569	3	7.5
576	3	7.5
583	3	7.5
590.5	3	8.5
598	3	7.5
605	3	7.5
612	3	7.5
619.5	3	8.5
627	3	7.5
634.5	3	8.5
642.5	3	8.5
650.5	3	8.5
658.5	3	8.5
666.5	3	8.5
675	3	9.5
683.5	3	8.5
692	3	9.5
701	3	9.5
710	3	9.5
719.5	3	10.5

729.5	3	10.5
739.5	3	10.5
750	3	11.5
761	3	11.5
772	3	11.5
783.5	3	12.5
796	3	13.5
809	3	13.5
822.5	3	14.5
837	3	15.5
852	3	15.5
868	3	17.5
886	3	19.5
905.5	3	20.5
927.5	3	24.5
952.5	3	26.5
981	3	31.5
1015	3	37.5
1056.5	3	46.5
1112	3	65.5
1196.5	3	104.5
1449.125	3	401.8