

TABLE III

Ubiquitin-related sequences found in preimplantation catalogues

UniGene #	Gene abbreviation or description	Gene abundances normalized for a library of 70,000 ESTs
196	Nedd8	7
22670	Mdm2	13
29405	Rbx1	19
3268	Ubc9	19
42944	skp1	33
29581	hrt1	5
28782	clAP (bcl10)	1
6765	seven in absentia homolog (sia1a)	4
784	brca1-connected	10
235	ubiquitin B	60
331	ubiquitin C	35
396	ubiquitin specific protease 9	22
1104	ubiquitin activating enzyme E1, Chr X	12
1570	ubiquitin conjugating enzyme 2e	47
1830	ubiquitin fusion degradation 1 like	3
3268	ubiquitin-conjugating enzyme E2I	18
3571	ubiquitin specific protease 5	3
4355	ubiquitin C-terminal hydrolase-related polypeptide	3
9002	ubiquitin conjugating enzyme E3A	6
12914	ubiquitin specific protease 2	2
12921	baculovirus inhibitor of apoptosis repeat containing ubiquitin-conjugating enzyme	4

13437	ESTs, weakly similar to ubiquitin carboxyl-terminal hydrolase 13	11	
14833	ESTs, highly similar to ubiquitin	23	
16553	Nedd4	9	
21114	ESTs, highly similar to probable ubiquitin carboxyl-terminal hydrolase	11	
23589	ubiquitin carboxyl-terminal esterase L3	3	
24280	ESTs, moderately similar to probable ubiquitin carboxyl-terminal hydrolase	7	
24870	ESTs, highly similar to UBP7 human ubiquitin carboxyl-terminal hydrolase	16	
27294	ESTs, highly similar to putative ubiquitin carboxyl-terminal hydrolase C13A11.04C10		
27510	ubiquitin specific protease 23	2	
28734	beta-transducin repeat containing protein	9	
29807	ubiquitin carboxy-terminal hydrolase L1	50	
30602	ESTs, highly similar to probable ubiquitin carboxyl-terminal hydrolase	3	
38261	E2 ubiquitin conjugating enzyme	6	
40986	ubiquitin specific protease 25	3	
41084	ESTs, weakly similar to testis ubiquitin specific processing protease	1	
43005	ubiquitin/60S ribosomal fusion protein	95	
52067	ubiquitin C-terminal hydrolase 37	7	
78312	ESTs, moderately similar to probable ubiquitin carboxyl-terminal hydrolase R10E11.3	1	
124415	ESTs, weakly similar to ubiquitin protein ligase	1	
132701	ESTs, weakly similar to ubiquitin specific protease UPB43	1	
132843	ESTs, weakly similar to FAFX mouse probable ubiquitin carboxyl-terminal hydrolase FAF-X	1	
423	ESTs, weakly similar to LIM domain interacting RING finger protein	17	
4521	Tnf receptor associated factor 4	5	
6750	ESTs, weakly similar to RING finger protein rfp	7	
7198	makorin, ring finger protein, 1	26	
7447	ring finger protein	1	
9326	ring finger protein 13	13	

15351	ESTs, weakly similar to BRCA1-associated RING domain protein	4
21281	ring finger protein 4	23
24777	ESTs, weakly similar to RING finger protein HAC1	1
25228	ring finger protein 11	5
28049	activin receptor interacting protein 1	8
28235	ring finger protein 7	10
28481	ESTs, weakly similar ro RING zinc finger protein	3
30051	ring finger protein 22	8
33857	ESTs, weakly similar to ring finger protein Fxy	6
44069	ring finger protein 12	3
45980	ESTs, weakly similar to small nuclear RING finger protein	1
86910	RING finger protein AO7 mRNA	1
100262	ESTs, weakly similar to ring finger protein	1