

**Proteomic profile of maternal aged blastocoel fluid suggests a novel role for ubiquitin system in blastocyst quality**

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**Table S1: List of proteins discarded from the analysis.** Proteins identified in the control (containing only culture medium) and keratins likely due to a contamination during sample preparation, were discarded from the analysis.

Protein IDs	Medium/Keratin	
	Protein names	Gene names
P04217	Alpha-1B-glycoprotein	A1BG
P43652	Afamin	AFM
C9JV77	Alpha-2-HS-glycoprotein	AHSG
P02768	Serum albumin	ALB
P25311	Zinc-alpha-2-glycoprotein	AZGP1
Q6ISB3	Grainyhead-like protein 2 homolog	GRHL2
P69905	Hemoglobin subunit alpha	HBA1
P00738	Haptoglobin	HP
P02790	Hemopexin	HPX
P01876	Ig alpha-1 chain C region	IGHA1
P04264	Keratin, type II cytoskeletal 1	KRT1
P13645	Keratin, type I cytoskeletal 10	KRT10
P02533	Keratin, type I cytoskeletal 14	KRT14
P08779	Keratin, type I cytoskeletal 16	KRT16
Q04695	Keratin, type I cytoskeletal 17	KRT17
P35908	Keratin, type II cytoskeletal 2 epidermal	KRT2
P13647	Keratin, type II cytoskeletal 5	KRT5
P02538	Keratin, type II cytoskeletal 6A;Keratin, type II cytoskeletal 6C	KRT6A;KRT6C
Q7Z794	Keratin, type II cytoskeletal 1b	KRT77
Q8N1N4	Keratin, type II cytoskeletal 78	KRT78
Q9NSB4	Keratin, type II cuticular Hb2	KRT82
P35527	Keratin, type I cytoskeletal 9	KRT9
F8WCG0	Myotubularin-related protein 14	MTMR14
P02763	Alpha-1-acid glycoprotein 1	ORM1
A6NNF7	Amiloride-sensitive sodium channel subunit delta	SCNN1D
C9JNR7	Septin-10	SEPT10
P02787	Serotransferrin	TF
P02766	Transthyretin	TTR
E7EQ64	Trypsin-1;Alpha-trypsin chain 1;Alpha-trypsin chain 2	PRSS1