

**Supplementary Table 3: Common proteins identified in ELF5-V5 RIME (MCF7 cells) and Elf5 MS (mouse trophoblastic stem cells)**

Accession	Uniprot ID	Protein Name
Q12830	BPTF_HUMAN	Nucleosome-remodeling factor subunit BPTF
Q9UKW6	ELF5_HUMAN	ETS-related transcription factor Elf-5
Q6ISB3	GRHL2_HUMAN	Grainyhead-like protein 2 homolog
P16403	H12_HUMAN	Histone H1.2
P51610	HCFC1_HUMAN	Host cell factor 1
P20042	IF2B_HUMAN	Eukaryotic translation initiation factor 2 subunit 2
P52292	IMA1_HUMAN	Importin subunit alpha-1
O60341	KDM1A_HUMAN	Lysine-specific histone demethylase 1A
Q9UQ80	PA2G4_HUMAN	Proliferation-associated protein 2G4
O75400	PR40A_HUMAN	Pre-mRNA-processing factor 40 homolog A
Q02543	RL18A_HUMAN	60S ribosomal protein L18a
P62888	RL30_HUMAN	60S ribosomal protein L30
P46777	RL5_HUMAN	60S ribosomal protein L5
P62841	RS15_HUMAN	40S ribosomal protein S15
P50990	TCPQ_HUMAN	T-complex protein 1 subunit theta
Q02880	TOP2B_HUMAN	DNA topoisomerase 2-beta