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Supplementary Table 3. Categories of the candidate *in situ* synthesized Au NCs-regulating proteins identified by RNA-seq in Hela cell line

Cytoskeleton/ cell adhesion	Transport and ion channel	Transcriptional control and nucleus-related	Metal ion binding	Metabolic	Cell cycle	Oxidation-reduction process	Immune	Response to hypoxia	Unknown function
GPR35,	BMPER,	OASL,	GLI1,	ST8SIA5,	E2F7,	NOX1,	L1CAM,	CCL2,	C6orf204,
ACTL8,	CXCL1,	AKNA,	GLIS3,	GCNT1,	HMGA2,	DUOX2,	IGDCC3,	ANGPT2,	C8orf85,
ADAM8,	LYPD1,	H2AFY2,	KIT,	PLA2G4E,	KLK10,	KMO,	IL1RAPL1,	CLDN3,	DDIT4L,
BNIPL,	NKAIN4,	HERC2,	THAP2,	GALNT3,	KLHL22,	KDM6A,	C1orf106,	F7	ELAVL4,
C14orf41,	AREG,	PHF6,	KSR2,	DOPEY2,	SEPT12,	TXNL1			FAM135A,
IL8,	CDH9,	QKI,	TNNI3,	TRAPPC6B,	STAG2				FAM176A,
KRT19	C8A,	SP140,	ZNF217,	AKT3,					FAM178A,
PADI1,	EPCAM,	MAML3,	ZNF514,	EPHA8,					FAM18B2-CDRT4,
LPP,	GP9,	STX1B,	ZNF578,	HSPA6,					FAM71F2,
AKAP5,	GOLGB1,	IFT57,	ZNF750,	MYH9					FAM84B,
BIK,	IGSF21,	ARHGEF10,	ZNF862,	AGBL2					KRTAP20-1,
CMTM7,	IFI27,	RGPD6,	ZNF91	ATPBD4,					GRIP2,
KISS1R,	IL32,	C19orf55,							LRRC33,
CNKSR1,	LAMP3,	C3orf67,							PRO0611,
PLIN2,	NPY,	HNMT,							TSTD2,
KCNJ15,	NOG,	TRIM15							WDR5B,
NALCN,	PTX3,								GLB1L3
SLC12A5,	PTPN5,								
SLC22A20,	PTPRQ,								
SLC25A2,	NALCN,								
SLC5A6,	GRIN2A,								

SOAT2,	PCDH1,
SMCHD1,	PCDHAC2,
SYT13,	PCDHGB1,
SYNRG,	SLURP1,
TMCO2,	SPINK1,
TMEM140,	SERPINA3,
TMEM188,	TMEM27,
TMEM191C,	RLBP1
TMEM2,	MPP4,
ZDHHC19,	ANXA9
MRGPRX4,	
ARHGAP32,	
DOK3,	
EDA,	
GJB3,	
KRT1,	
OR1D5,	
OR13A1,	
OR5P2,	
OR7A17,	
OPRL1,	
KCNU1,	
KCNK2,	
KCNG4,	
SOCS7,	
GAS7,	