

Table S2. List of significant FOXA1 interacting proteins identified by FOXA1 IP and MS. Separate lists for MCF-7 or BT474 cells are shown.

FOXA1 interacting proteins in BT474 cells

Protein names	Gene names	Unique peptides of rep1	Unique peptides of rep2	Unique peptides IgG
Cyclin-dependent kinase 1	CDK1	5	1	0
YTH domain-containing family protein 1	YTHDF3	1	1	0
NADH dehydrogenase (ubiquinone) complex I	NDUFAF6	1	1	0
28S ribosomal protein S34	MRPS34	1	3	0
SH3 domain-binding glutamic acid-rich-like protein 3	SH3BGL3	2	2	0
Required for meiotic nuclear division protein 1 homolog	RMND1	1	1	0
Vacuolar protein sorting-associated protein VTA1 homolog	VTA1	1	1	0
Transcription factor GATA-4	GATA4	2	1	0
Serine/arginine-rich splicing factor 7	SRSF7	2	1	0
Uncharacterized protein C11orf98	C11orf98	1	1	0
Bifunctional polynucleotide phosphatase/kinase	PNKP	2	1	0
Pleckstrin homology domain-containing family G member 3	PLEKHG3	2	1	0
39S ribosomal protein L28	MRPL28	1	1	0
von Willebrand factor A domain-containing protein 8	VWA8	2	4	0
Microtubule-associated proteins 1A/1B light chain 3B	MAP1LC3B	2	1	0
Phosphorylase b kinase regulatory subunit alpha	PHKA1	1	1	0
Heterochromatin protein 1-binding protein 3	HP1BP3	1	1	0
Coatmer subunit delta	ARCN1	4	1	0
Heterogeneous nuclear ribonucleoproteins C1/C2	HNRNPC	5	3	0
RNA-binding protein Musashi homolog 2	MSI2	4	3	0
Syntenin-1	SDCBP	1	1	0
Serine--tRNA ligase	SARS2	1	2	0
Zinc finger CCCH-type antiviral protein 1	ZC3HAV1	3	1	0
Integrator complex subunit 6	INTS6	1	1	0
DNA-directed RNA polymerases I	POLR2H	1	1	0
Peptidyl-prolyl cis-trans isomerase	PPIH	4	1	0
60S ribosomal protein L32	RPL32	2	5	0
Transcription factor BTF3	BTF3	1	1	0
Nucleotide exchange factor SIL1	SIL1	1	2	0
Dynactin subunit 6	DCTN6	1	1	0
Cytochrome c oxidase subunit 7A-related protein	COX7A2L	1	1	0
Protein FAM98A	FAM98A	1	1	0
60S ribosomal protein L8	RPL8	2	2	0
NADH dehydrogenase [ubiquinone] iron-sulfur protein 8	NDUFS8	1	1	0
Protein transport protein Sec16A	SEC16A	4	2	0
DNA repair protein XRCC1	XRCC1	4	3	0
Ubiquitin-conjugating enzyme E2 N	UBE2N	2	1	0
Charged multivesicular body protein 1a	CHMP1A	3	2	0

Vacuolar protein sorting-associated protein 29	VPS29	2	1	0
Nesprin-3	SYNE3	1	1	0
60S ribosomal protein L3	RPL3	3	3	0
Dolichol-phosphate mannosyltransferase subunit 1	DPM1	7	6	0
Receptor-type tyrosine-protein phosphatase F	PTPRF	1	2	0
Mitochondrial fission regulator 1	MTFR1	1	1	0
SRSF protein kinase 1	SRPK1	2	1	0
26S proteasome non-ATPase regulatory subunit 9	PSMD9	3	3	0
	ALOXE3	1	1	0
AP-2 complex subunit sigma	AP2S1	2	2	0
PDZ and LIM domain protein 1	PDLIM1	1	1	0
U6 snRNA-associated Sm-like protein LSM1	LSM1	1	2	0
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	NDUFA2	1	1	0
Probable 18S rRNA (guanine-N(7))-methyltransferase	WBSCR22	1	1	0
LanC-like protein 1	LANCL1	4	2	0
Protein SCO2 homolog	SCO2	2	1	0
Tripartite motif-containing protein 3	TRIM3	2	2	0
Vacuolar protein sorting-associated protein 26A	VPS26A	1	1	0
Serine/arginine-rich splicing factor 10	SRSF10	1	1	0
Heat shock factor-binding protein 1	HSBP1	2	1	0
Barrier-to-autointegration factor	BANF1	3	2	0
Interferon-inducible double-stranded RNA-dependent protein kinase activator A	PRKRA	5	5	0
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4	NDUFB4	2	2	0
Probable tRNA pseudouridine synthase 2	TRUB2	2	1	0
2,3-cyclic-nucleotide 3-phosphodiesterase	CNP	1	1	0
Ubiquitin-like protein 4A	UBL4A	1	1	0
Heterogeneous nuclear ribonucleoprotein L	HNRNPL	2	2	0
High mobility group protein HMG-I/HMG-Y	HMGA1	1	1	0
60S ribosomal protein L7	RPL7	4	5	0
Heterogeneous nuclear ribonucleoprotein H3	HNRNPH3	1	1	0
Replication protein A 14 kDa subunit	RPA3	2	1	0
Replication factor C subunit 4	RFC4	5	4	0
60S ribosomal protein L13a	RPL13A	2	2	0
60S ribosomal protein L28	RPL28	6	5	0
60S ribosomal protein L34	RPL34	1	2	0
Hepatocyte nuclear factor 3-alpha	FOXA1	9	8	0
60S ribosomal protein L27	RPL27	4	4	0
DDB1- and CUL4-associated factor 7	DCAF7	6	2	0
WD repeat-containing protein 5	WDR5	5	6	0
40S ribosomal protein S8	RPS8	5	5	0
DNA-directed RNA polymerases I	POLR2L	2	2	0
Putative 60S ribosomal protein L39-like 5	RPL39P5	1	1	0

Growth factor receptor-bound protein 2	GRB2	3	1	0
Transformer-2 protein homolog beta	TRA2B	2	1	0
28S ribosomal protein S6	MRPS6	2	2	0
Transcription factor A	TFAM	5	3	0
Serine/arginine-rich splicing factor 9	SRSF9	3	3	0
SNW domain-containing protein 1	SNW1	2	1	0
ELAV-like protein 1	ELAVL1	7	1	0
Myeloid leukemia factor 2	MLF2	2	1	0
Mitochondrial import receptor subunit TOM34	TOMM34	4	4	0
UDP-N-acetylhexosamine pyrophosphorylase	UAP1	1	1	0
WD40 repeat-containing protein SMU1	SMU1	4	3	0
PDZ domain-containing protein 11	PDZD11	2	1	0
Cancer-related nucleoside-triphosphatase	NTPCR	1	2	0
Pleckstrin homology domain-containing family A member 6	PLEKHA6	2	1	0
Ankyrin repeat domain-containing protein 22	ANKRD22	1	1	0
Tetratricopeptide repeat protein 19	TTC19	3	3	0
39S ribosomal protein L54	MRPL54	1	1	0
2-oxoglutarate and iron-dependent oxygenase domain-containing protein 3	OGFOD3	1	1	0
Dehydrogenase/reductase SDR family member 13	DHRS13	1	1	0
WD repeat-containing protein 82	WDR82	2	2	0
Charged multivesicular body protein 1b	CHMP1B	2	2	0
DnaJ homolog subfamily C member 10	DNAJC10	6	7	0
Activating signal cointegrator 1 complex subunit 1	ASCC1	3	1	0
ATPase family AAA domain-containing protein 1	ATAD1	2	1	0
UDP-glucuronic acid decarboxylase 1	UXS1	1	1	0
LEM domain-containing protein 2	LEMD2	4	3	0
Deleted in autism protein 1	C3orf58	2	1	0
Alpha/beta hydrolase domain-containing protein 11	ABHD11	6	5	0
Phosphatidylglycerophosphatase and protein-tyrosine phosphatase 1	PTPMT1	4	2	0
Dimethyladenosine transferase 1	TFB1M	1	1	0
Ataxin-2-like protein	ATXN2L	3	2	0
5-methylcytosine rRNA methyltransferase NSUN4	NSUN4	2	2	0
Coiled-coil domain-containing protein 124	CCDC124	1	1	0
Pentatricopeptide repeat domain-containing protein 3	PTCD3	2	1	0
Bcl10-interacting CARD protein	C9orf89	2	5	0
Zinc finger protein 385A	ZNF385A	2	2	0
Protein S100-A13	S100A13	2	1	0
Evolutionarily conserved signaling intermediate in Toll pathway	ECSIT	4	1	0
Dehydrogenase/reductase SDR family member 4	DHRS4	2	2	0
HIG1 domain family member 2A	HIGD2A	1	1	0
Uncharacterized protein KIAA1671	KIAA1671	3	5	0
Phosducin-like protein 3	PDCL3	3	1	0

LYR motif-containing protein 4	LYRM4	2	2	0
PDZ and LIM domain protein 7	PDLIM7	2	2	0
Protein FAM207A	FAM207A	2	2	0
H/ACA ribonucleoprotein complex subunit 1	GAR1	2	1	0
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 4	NDUFAF4	4	3	0
Cytochrome b-c1 complex subunit 9	UQCR10	2	2	0
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12	NDUFA12	4	1	0
Dynactin subunit 4	DCTN4	2	2	0
mRNA turnover protein 4 homolog	MRT04	4	2	0
Protein kinase C and casein kinase substrate in neurons protein 2	PACSIN2	2	1	0
Probable dimethyladenosine transferase	DIMT1	1	2	0
Leydig cell tumor 10 kDa protein homolog	C19orf53	2	3	0
39S ribosomal protein L11	MRPL11	6	5	0
Peptidyl-prolyl cis-trans isomerase-like 1	PPIL1	2	4	0
Mitochondrial fission 1 protein	FIS1	1	1	0
60S ribosomal protein L36	RPL36	4	3	0
U6 snRNA-associated Sm-like protein LSM4	LSM4	1	1	0

FOXA1 interacting proteins in MCF7 cells

Protein namesProtein names	Gene names	Unique peptides of rep1	Unique peptides of rep2	Unique peptides IgG
28S ribosomal protein S34	MRPS34	1	1	0
Required for meiotic nuclear division protein 1 homolog	RMND1	1	2	0
DDRKG domain-containing protein 1	DDRKG1	1	1	0
Coronin	PAM16	2	1	0
40S ribosomal protein S15	RPS15	4	3	0
Dehydrogenase/reductase SDR family member 7B	DHRS7B	2	2	0
Vacuolar protein sorting-associated protein 37C	VPS37C	2	1	0
Protein PBDC1	PBDC1	1	1	0
Non-histone chromosomal protein HMG-14	HMGN1	1	1	0
Tuftelin	TUFT1	1	1	0
Small nuclear ribonucleoprotein G	SNRPG	1	1	0
NHP2-like protein 1	NHP2L1	1	1	0
Lymphocyte function-associated antigen 3	CD58	1	1	0
Heterogeneous nuclear ribonucleoproteins C1/C2	HNRNPC	2	2	0
RNA-binding protein Musashi homolog 2	MSI2	3	2	0
Eukaryotic translation initiation factor 4E type 2	EIF4E2	1	1	0
RNA-binding protein with multiple splicing	RBPMS	3	2	0
Charged multivesicular body protein 2b	CHMP2B	1	1	0
DNA-directed RNA polymerases I	POLR2H	1	1	0

Uncharacterized protein C7orf50	C7orf50	2	5	0
CGG triplet repeat-binding protein 1	CGGBP1	1	1	0
60S ribosomal protein L22-like 1	RPL22L1	1	2	0
Transmembrane protein 33	TMEM33	1	1	0
Uncharacterized protein C1orf198	C1orf198	1	1	0
Centrin-3	CETN3	1	1	0
Transforming acidic coiled-coil-containing protein 2	TACC2	15	19	0
60S ribosomal protein L14	RPL14	3	3	0
RNA-binding motif	RBMS1	2	1	0
Selenoprotein S	VIMP	1	1	0
Midkine	MDK	1	1	0
G-rich sequence factor 1	GRSF1	1	1	0
DNA repair protein XRCC1	XRCC1	2	2	0
Charged multivesicular body protein 1a	CHMP1A	3	2	0
SWI/SNF complex subunit SMARCC2	SMARCC2	1	1	0
60S ribosomal protein L3	RPL3	2	1	0
Dolichol-phosphate mannosyltransferase subunit 1	DPM1	1	2	0
Histone deacetylase	HDAC7	1	1	0
Rab-3A-interacting protein	RAB3IP	1	1	0
Synaptosomal-associated protein	SNAP23	2	1	0
Transcription factor 25	TCF25	1	1	0
26S proteasome non-ATPase regulatory subunit 9	PSMD9	2	1	0
Mitochondrial inner membrane protein OXA1L	OXA1L	1	1	0
60S ribosomal protein L36a	RPL36A	3	2	0
Transmembrane and coiled-coil domain-containing protein 1	TMCO1	2	1	0
Protein FAM32A	FAM32A	1	1	0
DAZ-associated protein 1	DAZAP1	2	1	0
PIH1 domain-containing protein 1	PIH1D1	1	1	0
Centrosomal protein of 290 kDa	CEP290	1	1	0
Mitochondrial ribonuclease P protein 3	KIAA0391	5	4	0
Protein regulator of cytokinesis 1	PRC1	1	1	0
PC4 and SFRS1-interacting protein	PSIP1	1	2	0
Interferon-inducible double-stranded RNA-dependent protein kinase activator A	PRKRA	7	5	0
Zinc finger protein-like 1	ZFPL1	1	1	0
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4	NDUFB4	1	1	0
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7	NDUFA7	1	1	0
CD2 antigen cytoplasmic tail-binding protein 2	CD2BP2	1	1	0
BAG family molecular chaperone regulator 2	BAG2	1	2	0
Cytochrome b-c1 complex subunit 6	UQCRH	4	5	0
Chromosome transmission fidelity protein 8 homolog isoform 2	CHTF8	4	3	0
Myosin-6	MYH6	1	0	0
Heterogeneous nuclear ribonucleoprotein L	HNRNPL	1	1	0

High mobility group protein HMG-I/HMG-Y	HMGA1	2	1	0
60S ribosomal protein L7	RPL7	3	5	0
ATP synthase-coupling factor 6	ATP5J	3	2	0
RNA-binding motif protein	RBMX	3	4	0
Replication factor C subunit 5	RFC5	4	5	0
60S ribosomal protein L21	RPL21	4	4	0
IST1 homolog	IST1	2	2	0
Atrophin-1	ATN1	1	1	0
Hepatocyte nuclear factor 3-alpha	FOXA1	9	10	0
DNA-directed RNA polymerases I	POLR2L	1	1	0
40S ribosomal protein S21	RPS21	2	1	0
mRNA export factor	RAE1	1	1	0
28S ribosomal protein S10	MRPS10	1	1	0
28S ribosomal protein S35	MRPS35	2	2	0
Serine/arginine-rich splicing factor 3	SRSF3	5	3	0
RNA-binding protein 3	RBM3	2	2	0
Transcription factor A	TFAM	1	1	0
Lactadherin	MFGE8	1	2	0
Nuclear cap-binding protein subunit 1	NCBP1	2	4	0
Serine/arginine-rich splicing factor 9	SRSF9	2	2	0
SNW domain-containing protein 1	SNW1	2	1	0
E3 ubiquitin/ISG15 ligase TRIM25	TRIM25	1	1	0
ELAV-like protein 1	ELAVL1	3	2	0
WD40 repeat-containing protein SMU1	SMU1	1	1	0
Mitochondrial import inner membrane translocase subunit TIM50	TIMM50	2	2	0
39S ribosomal protein L54	MRPL54	1	1	0
WD repeat-containing protein 82	WDR82	2	1	0
Heparan sulfate 2-O-sulfotransferase 1	HS2ST1	1	1	0
PHD finger-like domain-containing protein 5A	PHF5A	1	1	0
Protein MON2 homolog	MON2	4	6	0
Testis-specific Y-encoded-like protein 5	TSPYL5	1	1	0
MICAL-like protein 2	MICALL2	3	4	0
Uncharacterized protein KIAA1958	KIAA1958	1	1	0
LEM domain-containing protein 2	LEMD2	2	2	0
DnaJ homolog subfamily C member 9	DNAJC9	3	4	0
Zinc finger protein 385A	ZNF385A	1	2	0
Plakophilin-2	PKP2	1	1	0
Melanophilin	MLPH	1	1	0
5-3 exoribonuclease 2	XRN2	2	1	0
Charged multivesicular body protein 4b	CHMP4B	1	1	0
Vacuolar protein sorting-associated protein 37B	VPS37B	1	1	0
Protein FAM207A	FAM207A	3	4	0
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12	NDUFA12	3	2	0

SH3 domain-binding glutamic acid-rich-like protein 2	SH3BGRL2	2	1	0
Heat shock protein beta-8	HSPB8	1	2	0
mRNA turnover protein 4 homolog	MRT04	4	4	0
Leydig cell tumor 10 kDa protein homolog	C19orf53	1	1	0
28S ribosomal protein S28	MRPS28	1	1	0
Thyroid hormone receptor-associated protein 3	THRAP3	5	6	0
28S ribosomal protein S2	MRPS2	1	1	0
Splicing factor 3B subunit 6	SF3B6	1	1	0
39S ribosomal protein L11	MRPL11	5	3	0
Peptidyl-prolyl cis-trans isomerase-like 1	PPIL1	2	2	0
Mitochondrial import inner membrane translocase subunit Tim13	TIMM13	1	1	0
DnaJ homolog subfamily C member 15	DNAJC15	1	1	0