















SYNTAXIN 4A  
 SYNTAXIN BINDING PROTEIN 1  
 SYNAPSIN II  
 SYNAPSIN III  
 SYNAPTOTAGMIN 1  
 SYNAPTOTAGMIN 4  
 TYROSINE HYDROXYLASE  
 VOLTAGE-DEPENDENT ANION CHANNEL 1  
**Gene Name**  
 SEC1 FAMILY DOMAIN CONTAINING 1  
 SYNAPTOSOMAL-ASSOCIATED PROTEIN 25  
 SYNTAXIN BINDING PROTEIN 3  
 BREAST CARCINOMA AMPLIFIED SEQUENCE 1  
 CHOLINE DEHYDROGENASE  
 GLUTAMATE RECEPTOR, IONOTROPIC, 2  
 IMMUNOGLOBULIN SUPERFAMILY, MEMBER 4A  
 NEUREXIN 1  
 KINESIN FAMILY MEMBER 14  
 KINESIN FAMILY MEMBER 1B  
 GAMMA-AMINOBUTYRIC ACID RECEPTOR, SUBUNIT BETA 2

*Stx4a*  
*Stxbp1*  
*Syn2*  
*Syn3*  
*Syt1*  
*Syt4*  
*Th*  
*Vdac1*  
  
*Scfd1*  
*Snap25*  
*Stxbp3*  
*Bcas1*  
*Chdh*  
*Gria2*  
*Igsf4a*  
*Nrxn1*  
*Kif14\_predicted*  
*Kif1b*  
*Gabbr2*

0.54 0.97 1.33 1.46  
 0.57 1.34 0.59 0.62  
 0.40 0.88 0.64  
 0.65 1.06 0.58  
 1.40 1.30  
 1.45

0.58  
 IONC12h IONC24h IONC48h IONC3d IONC7d  
 0.68  
 0.66  
 0.58  
 1.98  
 0.46  
 0.49  
 0.37  
 1.41 1.19 1.17  
 0.57  
 0.33

## Binding

**Calcium binding**  
**Gene Name**  
 PARVALBUMIN  
 CALBINDIN 3,  
 NEURAL VISININ-LIKE CA2+-BINDING PROTEIN TYPE 3

*Pvalb*  
*Calb3*  
*Hpcal1*

IONT12h IONT24h IONT48h IONT3d IONT7d IONT15d IONC12h IONC24h IONC48h IONC3d IONC7d  
 0.48  
 0.08  
 0.61 0.75 0.54 0.68 0.40 0.62 0.76 0.61 0.69 0.62

**Binding, other**  
**Gene Name**  
 RAD9 HOMOLOG B  
 BRAIN PROTEIN 16  
 KELCH-LIKE 12  
 POLYHOMEOTIC-LIKE 2

*Rad9b*  
*Brp16*  
*Klh12*  
*Phc2*

IONT12h IONT24h IONT48h IONT3d IONT7d IONT15d IONC12h IONC24h IONC48h IONC3d IONC7d  
 7.46 2.63 5.73 3.23 2.00 2.76 6.25 2.35 5.12 1.64 3.32  
 0.74 0.91 0.67 1.01 0.63  
 0.32 0.51  
 2.59

**Gene Name**  
 DDHD DOMAIN CONTAINING 1  
 NUCLEAR VCP-LIKE  
 PAP ASSOCIATED DOMAIN CONTAINING 4

*Ddhd1*  
*Nvl\_predicted*  
*Papd4*

IONC12h IONC24h IONC48h IONC3d IONC7d  
 0.51  
 0.54 0.55  
 0.39

**Protein binding**  
**Gene Name**  
 POLIOVIRUS RECEPTOR-RELATED 2  
 FORMIN BINDING PROTEIN 3  
 INNER MEMBRANE PROTEIN, MITOCHONDRIAL  
 LAMINA-ASSOCIATED POLYPEPTIDE 1B

*Pvrl2*  
*Fnbp3\_predicted*  
*Immt*  
*Lap1b*

IONC12h IONC24h IONC48h IONC3d IONC7d  
 2.18  
 0.71 0.43 0.82 0.81  
 0.45 0.57 0.47  
 0.54

## Cell death

**Angiogenesis**  
**Gene Name**  
 COLLAGEN, TYPE XVIII, ALPHA 1  
 RETICULON 4  
 TUMOR NECROSIS FACTOR RECEPTOR SUPERFAMILY, MEMBER 12A  
 VASCULAR ENDOTHELIAL GROWTH FACTOR A

*Col18a1*  
*Rtn4*  
*Tnfrsf12a*  
*Vegfa*

IONT12h IONT24h IONT48h IONT3d IONT7d IONT15d IONC12h IONC24h IONC48h IONC3d IONC7d  
 0.57 1.63 1.31 1.34  
 0.75  
 5.79 3.94 11.76 8.91 3.29 1.62 4.77 2.36 10.61 4.68 4.15  
 0.82 0.78 0.70 0.81 0.48 1.51  
 0.41 0.38 0.46

**Gene Name**  
 ANGIOTENSINOGEN  
 ANGIOPOIETIN-LIKE PROTEIN 4

*Agt*  
*Angptl4*

IONT12h IONT24h IONT48h IONT3d IONT7d IONT15d  
 2.58  
 0.45  
 0.67  
 0.70

**Gene Name**  
 B-CELL TRANSLOCATION GENE 1, ANTI-PROLIFERATIVE  
 HYPOXIA INDUCIBLE FACTOR 1, ALPHA SUBUNIT

*Big1*  
*Hif1a*

IONC12h IONC24h IONC48h IONC3d IONC7d  
 0.67  
 0.70

**Antiapoptosis**

*pEASE value: IONT: 2,7E-07 IONC: 3,5E-05*

**Gene Name**  
 FAS APOPTOTIC INHIBITORY MOLECULE  
 INSULIN-LIKE GROWTH FACTOR 1 RECEPTOR  
 PHOSPHATIDYLINOSITOL 3-KINASE, CATALYTIC, ALPHA POLYPEPTIDE  
 SON CELL PROLIFERATION PROTEIN

*Faim*  
*Igf1r*  
*Pik3ca*  
*Son*

IONT12h IONT24h IONT48h IONT3d IONT7d IONT15d IONC12h IONC24h IONC48h IONC3d IONC7d  
 0.55 0.52 0.40 0.73 0.79  
 1.73 0.92 1.86  
 0.48 0.74 0.41 0.53 0.62 0.62  
 1.82 0.63 0.90 0.48  
 0.22

**Gene Name**  
 AMPHOTERIN INDUCED GENE 2  
 ANNEXIN A5  
 RHO GDP DISSOCIATION INHIBITOR ALPHA  
 ACTIVATING TRANSCRIPTION FACTOR 5  
 BREAST CANCER ANTI-ESTROGEN RESISTANCE 1  
 BCL2-LIKE 10

*Amigo2*  
*Anxa5*  
*Arhgdia*  
*Atf5*  
*Bcar1*  
*Bcl2l10*

IONT12h IONT24h IONT48h IONT3d IONT7d IONT15d  
 1.45 1.07 1.39 1.30 1.82 0.80  
 2.31 1.30 1.82 0.80  
 2.00 1.81  
 1.66 1.97 1.90 0.70  
 1.56 1.33 1.39 1.87 0.76  
 2.97

*pEASE value: IONT: 5.60E-08 IONC: 2,20E-07*





















































