

Additional file 2

Processes and Proteins affected by ROSC and MB respectively

FC = Fold change

Indicates significant up-regulation by Rosc after gene filtering

Indicates significant down-regulation by Rosc after gene filtering

Indicates significant up-regulation by MB after gene filtering

Indicates significant down-regulation by MB after gene filtering

biological process / function	probe set	gene symbol	FC-Rosc30	FC-Rosc60	FC-Rosc180	FC-MB30	FC-MB60	FC-MB180	gene name	
Inflammation										
cell adhesion	Ssc.11187.1.S1_at	ICAM-1	1,4	1,5	1,7	-1,5	-1,3	-1,1	Intercellular adhesion molecule 1	
chemokine	Ssc.4871.1.S1_at	CXCL2	19,1	3,8	1,4	1,0	1,2	2,5	Macrophage inflammatory protein 2-alpha (CXCL2)	
matrix degrading enzyme	Ssc.7093.1.A1_at	HPSE	2,0	2,5	3,2	-1,5	-1,4	-1,2	similar to heparanase	
response to cytokine stimulus	Ssc.18072.1.A1_at	OSMR	-1,5	-1,1	3,7	1,8	1,3	1,3	similar to oncostatin-M receptor	
Apoptosis/programmed cell death										
caspase-dependent response	Ssc.12026.1.A1_at	CASP7	1,0	-1,1	1,8	-1,5	-1,1	1,0	similar to caspase-7	
caspase-dependent response	Ssc.944.1.A1_at	LMNA	1,0	1,0	1,7	-1,1	1,1	-1,1	similar to lamin-A/C	
caspase-dependent response	Ssc.6163.2.S1_at	ETS2	1,5	1,5	1,4	1,0	1,0	1,2	similar to v-ets erythroblastosis virus E26 oncogene homolog 2	
caspase-dependent response	Ssc.18240.2.A1_at	MOAP1	1,2	1,3	2,3	1,3	1,4	1,1	similar to modulator of apoptosis 1	
caspase-dependent response	Ssc.24864.1.A1_at	MEIS1	1,5	1,4	-1,1	1,4	-1,5	1,0	similar to homeobox protein Meis1	
p53 and caspase-dependent response	Ssc.5737.1.S1_at	CDKN1A	1,5	1,9	2,0	1,2	1,2	1,1	similar to cyclin-dependent kinase inhibitor 1 (p21)	
p53-dependent response	Ssc.11269.1.A1_at	IER2	2,8	2,0	2,2	-1,1	1,1	-1,1	similar to immediate early response gene 2 protein	
p53-dependent response	Ssc.5070.1.A1_at	Ccng1	1,7	1,5	1,6	-1,4	-1,1	1,1	Cyclin G1	
p53-dependent response	Ssc.2464.1.S1_at	STC1	1,5	1,7	2,3	-1,2	-1,3	-1,2	similar to stanniocalcin-1	
p53-dependent response	Ssc.20386.1.S1_at	CDKN2AIP/CARF	1,2	1,2	1,8	1,2	1,2	1,2	similar to CDKN2A interacting protein	
p53-dependent response	Ssc.21987.1.A1_at	IFRD1	1,2	1,4	1,5	-1,5	-1,8	-1,6	Interferon-related developmental regulator 1	
P53 / MAPK pathway	Ssc.20913.1.S1_at	GADD45A	3,1	3,3	4,4	1,1	1,1	1,2	Growth arrest and DNA-damage-inducible protein GADD45 alpha	
P53 / MAPK pathway	Ssc.9380.1.S1_at	GADD45B	2,2	2,2	3,4	1,0	1,1	1,1	similar to growth arrest and DNA-damage-inducible protein GADD45 beta	
P53 / MAPK pathway	Ssc.20585.1.S1_at	GADD45G	1,2	1,6	2,9	1,3	1,1	-1,1	similar to Growth arrest and DNA-damage-inducible protein GADD45 gamma	
MAPK pathway	Ssc.888.1.A1_at	ERRF1	1,2	1,6	1,9	1,3	1,1	1,1	similar to ERBB receptor feedback inhibitor 1	
MAPK pathway	Ssc.18038.1.A1_at	MAP3K8	1,2	1,4	2,6	1,4	1,2	1,4	similar to mitogen-activated protein kinase kinase kinase 8	
MAPK pathway	Ssc.16392.2.A1_at	MKMK2	1,1	1,3	1,6	1,0	1,0	1,0	similar to MAP kinase-interacting serine/threonine-protein kinase 2	
MAPK pathway	Ssc.16039.1.S1_at	RGS1	5,7	2,5	1,6	1,1	1,1	1,3	Regulator of G-protein signaling 1	
MAPK pathway	Ssc.3139.1.A1_at	RGS2	1,6	1,7	2,4	1,1	1,0	1,0	Regulator of G-protein signaling 2	
MAPK pathway	Ssc.8706.1.S1_at	RGS3	1,1	1,0	1,9	-1,1	1,0	-1,2	similar to regulator of G-protein signaling 3	
neuronal cell death / inflammation	Ssc.19629.2.S1_s_at	EGR1	1,3	1,6	1,9	1,8	1,1	1,1	similar to early growth response protein 1	
neuronal cell death	Ssc.10226.1.A1_at	RHOB	3,5	2,7	1,1	-1,6	3,0	5,2	Rho-related GTP-binding protein RhoB	
neuronal cell death	Ssc.2841.1.S1_at	CREM	1,7	2,1	1,5	-1,2	-1,4	1,0	similar to cAMP-responsive element modulator	
modulator of apoptosis / inflammation	Ssc.12365.1.A1_at	ADAMTS1	6,1	8,4	8,6	-1,2	-1,4	-1,3	similar to A disintegrin and metalloproteinase with thrombospondin motifs 1 (ADAMTS1)	
cell death / proteolysis	Ssc.196.1.S1_at	t-PA	1,1	1,3	1,8	1,3	1,1	1,2	Tissue-type plasminogen activator	
neuronal survival	Ssc.23632.1.S1_at	DYNC1I2	-2,2	-2,7	-4,3	-1,1	1,1	1,3	similar to cytoplasmic dynein 1 intermediate chain 1/2	
antiapoptotic (casp3 inhibitor)	Ssc.19298.2.S1_at	DHCR24	1,5	1,4	1,2	1,5	2,0	2,0	similar to 24-dehydrocholesterol reductase	
antiapoptotic (casp3 inhibitor)	Ssc.23545.2.A1_at	PIP5K1A	-1,2	1,0	1,3	5,0	4,8	3,5	similar to phosphatidylinositol-4-phosphate-5 kinase, type 1 alpha	
antiapoptotic	Ssc.6911.1.A1_at	ELAVL4	-1,1	1,3	1,4	3,0	1,4	2,0	similar to ELAV (Embryonic lethal, abnormal vision, Drosophila)-like 4	
pro-survival p53 target	Ssc.4127.1.A1_at	RND3	-1,4	-1,1	1,1	3,2	2,3	1,7	similar to Rho-related GTP-binding protein RhoE	
decreases p53, gadd45g and caspase3	Ssc.7628.1.A1_at	CSDE1	1,6	1,7	1,2	4,0	3,7	4,5	similar to cold shock domain-containing protein E1	
anti-apoptotic	Ssc.17566.1.S1_at	DDB1	1,0	1,0	1,0	2,6	2,1	2,1	similar to DNA damage-binding protein 1	
MAPK inhibitor	Ssc.8865.2.S1_at	DUSP6	-2,3	-1,1	-1,1	2,8	1,6	2,4	similar to dual specificity protein phosphatase 6	
MAPK inhibitor	Ssc.24859.1.A1_at	YWHAZ	3,1	2,0	-1,3	2,3	1,8	4,0	similar to tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta	
p53 apoptotic target	Ssc.26993.1.S1_at	SMARCA4	-1,1	1,0	1,0	-1,8	-1,7	-1,6	similar to ATP-dependent helicase SMARCA4	
caspase-dependent response	Ssc.17433.1.S1_at	NEO1	1,0	-1,1	-1,2	-1,6	-1,6	-1,4	similar to neogenin	
autophagy	Ssc.2648.1.S1_at	TMEM49	1,1	-1,1	1,0	-2,2	-1,6	-1,5	similar to transmembrane protein 49	
neuronal cell death	Ssc.6071.1.S1_at	I2PP2A/SET	1,0	1,0	1,1	-1,6	-1,6	-1,6	similar to phosphatase 2A inhibitor I2PP2A	
mitochondrial apoptosis / pore complex	Ssc.16638.1.S1_at	SLC25A6	-1,2	-1,1	1,1	-1,2	-1,2	-1,7	ADP/ATP translocase 3	
apoptosis marker	Ssc.5535.1.S1_at	SAFB	-1,1	-1,1	1,0	-1,6	-1,4	-1,6	similar to scaffold attachment factor B	
ER stress response										
ER stress marker	Ssc.16605.1.S1_at	DDIT3	1,3	1,4	2,2	1,4	1,3	1,2	similar to DNA damage-inducible transcript 3	

ER stress p53 activator	Ssc.16466.1.A1_at	ATF3	19,1	15,6	9,5	-1,2	1,3	1,0	similar to activating transcription factor 3
protein synthesis restoration	Ssc.3108.1.A1_at	PPP1R15A/GADD34	3,4	2,4	2,6	1,1	1,4	1,1	similar to protein phosphatase 1, regulatory (Inhibitor) subunit 15A
ER stress apoptotic p53 target	Ssc.4104.1.S1_at	DDIT4	2,0	1,2	1,5	-1,1	1,0	-1,1	similar to DNA-damage-inducible transcript 4 protein
ER stress inhibitor of translation	Ssc.7274.1.A1_at	EIF2AK2	1,7	1,5	1,1	-2,1	-1,2	-1,3	Eukaryotic translation initiation factor 2-alpha kinase 2
ERAD	Ssc.11308.1.A1_at	EDEM3	-1,1	-1,1	1,1	-1,2	-1,7	-1,4	similar to ER degradation-enhancing alpha-mannosidase-like 3
ER stress apoptosis inhibitor	Ssc.30862.1.S1_at	DNAJB9	1,5	1,5	1,1	1,9	1,9	2,5	similar to DnaJ (Hsp40) homolog subfamily B member 9

Endogenous defence mechanism

AP-1 complex	Ssc.1555.1.A1_at	FOS	4,9	4,1	3,3	1,2	1,1	1,1	similar to c-fos
AP-1 complex	Ssc.9062.1.A1_at	FOSB	6,0	6,1	4,8	1,5	1,2	1,1	similar to FOSB
AP-1 complex	Ssc.5547.1.A1_at	FOSL2	2,0	2,2	2,0	1,1	1,2	1,0	similar to FOS-like antigen 2
AP-1 complex	Ssc.22550.1.A1_at	C-JUN	1,7	1,8	2,1	1,2	1,0	1,1	C-JUN
MAPK inhibitor / anti-inflammatory	Ssc.6058.1.S1_at	DUSP1	5,7	2,5	1,9	1,0	1,2	1,2	similar to dual specificity protein phosphatase 1
casp3 inhibitor	Ssc.18076.1.A1_at	GSN	1,2	1,3	1,8	1,0	-1,3	-1,1	Gelsolin
casp3 inhibitor	Ssc.6736.1.S1_at	MSX2	-1,4	1,5	1,7	1,8	-1,3	-1,1	similar to homeobox protein MSX-2.
anti-apoptotic	Ssc.9720.1.A1_at	CYR61	10,6	7,3	5,3	-1,3	-1,2	-1,1	similar to cysteine-rich, angiogenic inducer 61
anti-apoptotic	Ssc.26274.1.S1_at	PIM3	1,1	1,2	2,0	-1,1	1,0	-1,2	similar to serine/threonine-protein kinase Pim-3
anti-apoptotic / MMP inhibitor	Ssc.11784.1.S1_at	TIMP1	1,2	1,4	2,3	1,5	1,4	1,4	Metalloproteinase inhibitor 1
anti-apoptotic / tPA inhibitor	Ssc.9781.1.S1_at	PAI-1/SERPINE1	2,0	3,7	5,2	1,2	1,3	1,1	Plasminogen activator inhibitor 1
neuroprotective	Ssc.15740.1.S2_at	VEGFA	1,2	1,2	1,9	1,1	1,0	1,1	Vascular endothelial growth factor A
neuroprotective	Ssc.5737.1.S1_at	CDKN1A/p21	1,5	1,9	2,0	1,2	1,2	1,1	similar to cyclin-dependent kinase inhibitor 1 (p21)
neuroprotective	Ssc.10786.1.A1_at	SIRT1	-1,1	1,5	2,3	-1,7	-1,5	-1,2	similar to NAD-dependent deacetylase sirtuin-1
neuroprotective	Ssc.115.1.S1_s_at	HMOX1	3,0	2,7	3,8	1,5	1,9	1,4	Heme oxygenase 1
neuroprotective	Ssc.10776.1.A1_at	HMOX2	5,7	3,7	2,7	-1,3	-1,5	-1,5	similar to heme oxygenase 2

Heat shock proteins

chaperone / antiapoptotic	Ssc.5145.1.S1_a_at	HSP72	11,9	11,0	12,8	-1,2	1,2	-1,1	Heat shock 70 kDa protein 1 (HSP72)
chaperone / antiapoptotic	Ssc.114.1.S1_at	HSP70	25,6	30,5	45,7	-1,5	1,1	1,1	Heat shock 70 kDa protein 6 (HSP70B)
MAPK pathway	Ssc.11197.1.S1_at	HSP27	1,8	1,5	2,3	-1,5	1,0	-1,1	Heat shock protein beta-1 (HSP27)
chaperone / neurite outgrowth	Ssc.3502.1.S1_at	HSP40/DNAJB1	5,6	5,9	4,0	1,0	1,6	1,4	Heat shock 40 kDa protein 1
chaperone	Ssc.17243.1.S1_at	DNAJ4	1,2	1,3	1,7	1,1	1,1	1,1	DnaJ (Hsp40) homolog, subfamily A, member 4
chaperone regulator / anti-apoptotic	Ssc.9473.1.A1_at	BAG3	31,9	22,7	11,7	-1,3	1,5	1,7	similar to BAG family molecular chaperone regulator 3
chaperone / HSP70 co-chaperone	Ssc.12191.1.A1_at	HSP90	2,4	2,2	1,1	1,8	3,3	4,8	Heat shock protein HSP 90-alpha
chaperone	Ssc.10237.1.S1_at	HSP22	1,0	1,2	2,3	1,4	1,2	1,4	Heat shock protein beta-8 (HSP22)
chaperone	Ssc.19417.1.S1_at	DNAJC7	1,1	1,0	-1,3	2,0	2,0	2,9	similar to DnaJ (Hsp40) homolog subfamily C member 7
HSP70 co-chaperone	Ssc.1180.1.S1_at	DNAJB2	1,0	-1,1	1,1	-1,9	-1,8	-1,6	similar to DnaJ (Hsp40) homolog subfamily B member 2

Neurogenesis

neurogenesis regulation	Ssc.26179.1.S1_at	MIDN	1,1	1,3	2,0	1,6	1,3	1,2	similar to midnolin
p53-dependent response / antiapoptotic / neuronal differentiation	Ssc.17286.1.A1_at	BTG2	6,5	4,4	2,4	0,9	1,0	1,1	similar to B-cell translocation gene 2
motoneuron growth and survival	Ssc.16882.1.A1_at	NFIL3	2,3	2,8	3,6	-1,1	-1,2	1,1	similar to nuclear factor, interLeukin 3 regulated
glial cell differentiation / axonal extension	Ssc.24938.1.S1_at	METRNL	-1,2	1,2	1,3	1,6	1,1	1,0	similar to meteorin-like protein
axon regeneration	Ssc.31172.1.S1_at	SDC1	2,3	2,3	4,2	1,8	1,0	1,1	similar to syndecan-1
neurite outgrowth	Ssc.16466.1.A1_at	ATF3	19,1	15,6	9,5	-1,2	1,3	1,0	similar to activating transcription factor 3
postischemic neurogenesis activator	Ssc.15740.1.S2_at	VEGFA	1,2	1,2	1,9	1,1	1,0	1,1	Vascular endothelial growth factor A
microtubule-binding / chaperone-like	Ssc.22588.2.S1_at	GABARAPL1	1,4	1,3	-1,4	3,5	6,2	6,9	similar to gamma-aminobutyric acid receptor-associated protein-like 1
microtubule-dependent synaptic and neuron growth	Ssc.12862.1.A1_at	MAP1B	1,7	1,7	1,1	4,5	3,9	6,1	similar to microtubule associated protein 1b
vesicle targeting / neurite outgrowth	Ssc.29767.1.A1_at	EXOC5	-1,1	1,3	1,3	2,0	1,2	1,4	similar to exocyst complex component 5
synaptic growth and axonal microtubules regulator	Ssc.18127.1.A1_at	NIPA1	1,6	2,0	-1,1	1,6	1,3	2,7	similar to non-imprinted in Prader-Willi/Angelman syndrome region protein 1
cytoskeleton	Ssc.24080.1.A1_at	INA	1,7	1,7	1,2	2,7	3,1	6,6	similar to alpha-internexin
regulation of microtubule dynamics / adult neurogenesis	Ssc.25483.1.S1_at	CAMK4	-1,3	1,0	-1,1	2,6	1,7	1,6	similar to calcium/calmodulin-dependent protein kinase type IV
neuronal guidance/microtubule dynamics	Ssc.8359.1.A1_at	SEMA6A	-1,1	1,5	1,4	2,5	1,0	1,7	similar to semaphorin-6A
microtubule stability	Ssc.24112.1.A1_at	SEPT11	1,5	-1,3	-1,2	1,3	2,4	2,3	similar to septin 11
slow axonal transport microtubule-dependent motor	Ssc.10198.1.A1_at	KIF5A	1,1	1,0	-1,1	-1,6	-1,4	-1,2	similar to kinesin heavy chain isoform 5A
transport microtubule-dependent motor	Ssc.2401.1.A1_at	KLC1	1,1	1,1	1,0	-2,0	-2,1	-1,8	similar to kinesin light chain 1
neurite outgrowth	Ssc.17427.1.S1_at	BASP1	-1,1	1,0	-1,4	3,1	2,0	2,4	similar to brain acid soluble protein 1
neurite outgrowth	Ssc.15912.1.S1_at	CX43	1,8	3,5	3,1	9,0	7,9	8,9	Connexin 43
neurite outgrowth	Ssc.3550.1.S1_at	TM4SF1	-1,3	1,1	-1,2	2,1	1,2	1,9	similar to transmembrane 4 L6 family member 1
neurite outgrowth	Ssc.18168.1.A1_at	NT	-1,3	1,0	1,2	2,4	2,2	1,9	similar to neurotrimin
neurite outgrowth	Ssc.12091.2.A1_at	SMARCA1	1,3	1,6	1,5	2,0	1,4	1,9	similar to probable global transcription activator SNF2L1
pro-survival p53 target / neurite extension	Ssc.4127.1.A1_at	RND3	-1,4	-1,1	1,1	3,2	2,3	1,7	similar to Rho-related GTP-binding protein RhoE
pro-survival / axon regeneration	Ssc.27365.1.S1_at	RUFY3	1,2	-3,3	-3,3	1,2	7,0	1,9	similar to protein RUFY3

MAPK regulator / neuron and glia growth and differentiation factor	Ssc.21606.1.S1_at	GMFB	1,5	1,9	1,2	3,1	3,6	3,3	similar to glia maturation factor beta
axon regeneration	Ssc.8774.2.A1_at	SC4MOL	1,7	1,8	1,3	2,2	1,4	2,5	C-4 methylsterol oxidase
synaptogenesis	Ssc.18880.1.A1_at	CASK	1,9	2,0	1,9	3,1	2,2	3,7	similar to calcium/calmodulin-dependent serine protein kinase
neuronal migration	Ssc.12493.1.A1_at	PFAFH1B2	2,5	2,4	1,3	2,2	3,4	2,8	similar to platelet-activating factor acetylhydrolase IB subunit beta
neuronal migration	Ssc.22082.1.A1_at	DAB1	-1,3	-1,3	1,1	2,3	1,9	1,2	similar to disabled homolog 1
neuronal migration	Ssc.8320.1.A1_at	PREX1	1,9	1,6	-1,1	2,6	2,4	4,7	similar to phosphatidylinositol 3,4,5-trisphosphate-dependent RAC exchanger 1
neurogenesis repressor	Ssc.8174.1.A1_at	OLIG2	1,2	1,2	1,4	-1,8	-1,9	-1,4	similar to Oligodendrocyte transcription factor 2
apoptotic, axon guidance	Ssc.17433.1.S1_at	NEO1	1,0	-1,1	-1,2	-1,6	-1,6	-1,4	similar to neogenin
axon guidance	Ssc.23810.3.A1_at	NFIA	1,1	1,1	1,2	-1,6	-1,7	-1,6	similar to nuclear factor I/A

Neuroprotection

gap junction	Ssc.15912.1.S1_at	CX43	1,8	3,5	3,1	9,0	7,9	8,9	Connexin 43
APC activator (anti-inflammatory, cytoprotective, neurogenetic)	Ssc.20711.1.S1_at	THBD	1,2	2,2	1,5	2,3	1,3	1,7	similar to thrombomodulin
water-specific channel	Ssc.13622.1.S1_at	AQP4	1,8	1,3	1,1	1,1	1,4	1,6	similar to aquaporin 4
neuronal development and survival	Ssc.15900.1.S1_at	CART	1,9	2,2	1,5	1,7	1,0	1,6	Cocaine- and amphetamine-regulated transcript protein
MAPK inhibitor	Ssc.8865.2.S1_at	DUSP6	-2,3	-1,1	-1,1	2,8	1,6	2,4	similar to dual specificity protein phosphatase 6
MAPK inhibitor	Ssc.24859.1.A1_at	YWHAZ	3,1	2,0	-1,3	2,3	1,8	4,0	similar to tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta

Neurotransmitter release

synaptic neurotransmission	Ssc.11706.2.A1_at	DTNA	1,0	-1,3	-2,1	-1,1	-1,1	1,9	similar to dystrobrevin alpha
SNARE / neurotransmitter release	Ssc.27354.1.S1_at	STXBP5	-1,8	-1,3	-9,6	3,0	3,3	1,4	similar to syntaxin-binding protein 5
SNARE / neurotransmitter release	Ssc.13474.1.A1_at	SNAP25/SNSP25	-1,9	-2,8	-2,9	1,2	1,1	-1,1	Similar to Synaptosomal-associated 25 kDa protein
exocytosis / neurotransmitter release	Ssc.12933.1.A1_at	CADPS2	-1,4	-1,2	-2,2	1,3	1,2	1,4	Similar to Calcium-dependent secretion activator 2
synaptic neurotransmission	Ssc.8492.1.A1_at	RIMS2	-1,4	-1,8	-2,5	1,0	1,3	1,0	Similar to Regulating synaptic membrane exocytosis protein 2

Vesicle transport

retrograde transport	Ssc.23632.1.S1_at	DYNC1I2	-2,2	-2,7	-4,3	-1,1	1,1	1,3	similar to cytoplasmic dynein 1 intermediate chain 1/2
ER-vesicle transport	Ssc.11046.1.S1_at	SEC22b	2,0	1,8	1,4	1,6	2,5	2,6	similar to vesicle-trafficking protein SEC22b
ER/Golgi vesicle transport	Ssc.1966.3.S1_at	STX5	1,5	1,4	1,2	2,1	1,7	2,5	similar to syntaxin 5
ER/Golgi vesicle transport	Ssc.997.3.A1_at	KDELRL2	1,2	1,4	-1,2	2,3	1,6	2,9	similar to ER lumen protein retaining receptor 2
ER/Golgi vesicle transport	Ssc.23508.1.S1_at	ERGIC1	1,0	1,0	1,0	2,0	2,3	2,4	similar to endoplasmic reticulum-Golgi intermediate compartment protein 1
vesicle-mediated protein transport to lysosome	Ssc.6553.1.A1_at	VPS16	-1,2	-1,1	1,3	2,0	1,6	1,3	similar to vacuolar protein sorting-associated protein 16 homolog
trans-Golgi/lysosome vesicle transport	Ssc.12623.1.A1_at	GGA3	1,2	1,4	1,5	1,8	1,3	1,2	similar to golgi-localized, gamma ear-containing, ARF-binding protein 3
exocytosis	Ssc.11107.1.S1_at	VAMP3	1,2	1,3	1,0	-1,4	-1,7	-1,4	similar to vesicle-associated membrane protein 3
endosome/Golgi vesicle transport	Ssc.4135.2.A1_at	AP1S2	1,3	1,4	1,4	-1,2	-1,9	1,0	similar to AP-1 complex subunit sigma-2
ER/Golgi vesicle transport	Ssc.28472.1.S1_at	GOSR2	1,1	1,1	1,2	-1,4	-1,3	-1,9	similar to golgi SNAP receptor complex member 2

Diverse

NO regulation	Ssc.29002.1.A1_at	sGC/GUCY1B3	1,3	1,2	-1,1	2,2	2,3	2,7	Guanylate cyclase soluble subunit beta-1
NO regulation	Ssc.12191.1.A1_at	HSP90	2,4	2,2	1,1	1,8	3,3	4,8	Heat shock protein HSP 90-alpha
NO regulation / ion transport	Ssc.10453.1.S1_at	CP	1,4	1,5	1,2	0,9	0,4	0,7	similar to ceruloplasmin
NO regulation	Ssc.21987.1.A1_at	IFRD1	1,2	1,4	1,5	-1,5	-1,8	-1,6	Interferon-related developmental regulator 1