

SUPPLEMENTAL MATERIAL

Supplementary Table 1. Genes differential expressed between 3h ischemic stroke (3hIS) and non-stroke controls (C) ($\alpha \leq 0.05$, fold change $\geq |1.2|$)

Probeset ID	DE list	Gene Symbol	Fold Change		Cytoband	Gene Title	UniGene ID
			IS * Male vs. Control * Male	IS * Female vs. Control * Female			
1553007_a_at	3hISvsC_up_MaleSpecific	ODZ1	1.38	NA	Xq25	odz, odd Oz/ten-m homolog 1(Drosophila)	Hs.23796
1554206_at	3hISvsC_up_MaleSpecific	TMLHE	1.39	NA	Xq28	trimethyllysine hydroxylase, epsilor	Hs.133321
1559510_at	3hISvsC_up_MaleSpecific	BHLHB9	1.51	NA	Xq23	Basic helix-loop-helix domain containing, class B, 9	Hs.4276
201472_at	3hISvsC_up_MaleSpecific	VBP1	1.35	NA	Xq28	von Hippel-Lindau binding protein 1	Hs.436803
202105_at	3hISvsC_up_MaleSpecific	IGBP1	1.23	NA	Xq13.1-q13.3	immunoglobulin (CD79A) binding protein 1	Hs.496267
206696_at	3hISvsC_up_MaleSpecific	GPR143	1.33	NA	Xp22.3	G protein-coupled receptor 143	Hs.74124
209022_at	3hISvsC_up_MaleSpecific	STAG2	1.31	NA	Xq25	stromal antigen 2	Hs.496710
214009_at	3hISvsC_up_MaleSpecific	MSL3L1	1.40	NA	Xp22.3	male-specific lethal 3 homolog (Drosophila)	Hs.655288
214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
219771_at	3hISvsC_up_MaleSpecific	TBC1D8B	1.56	NA	Xq22.3	TBC1 domain family, member 8B (with GRAM domain)	Hs.351798
226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
228968_at	3hISvsC_up_MaleSpecific	ZNF449	1.31	NA	Xq26.3	zinc finger protein 449	Hs.28780
230866_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.39	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
231747_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.23	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
232087_at	3hISvsC_up_MaleSpecific	CXorf23	1.61	NA	Xp22.12	chromosome X open reading frame 23	Hs.28896
232157_at	3hISvsC_up_MaleSpecific	SPRY3	1.45	NA	Xq28 and Yq12	sprouty homolog 3 (Drosophila)	Hs.381912
236165_at	3hISvsC_up_MaleSpecific	MSL3L1	1.48	NA	---	---	---
238053_at	3hISvsC_up_MaleSpecific	DHRX	1.44	NA	Xp22.33; Yp11.2	dehydrogenase/reductase (SDR family) X-linkec	Hs.131452
238989_at	3hISvsC_up_MaleSpecific	C1GALT1C1	1.44	NA	Xq24	C1GALT1-specific chaperone 1	Hs.643920
242931_at	3hISvsC_up_MaleSpecific	LONRF3	1.38	NA	Xq24	LON peptidase N-terminal domain and ring finger 3	Hs.144266
243683_at	3hISvsC_up_MaleSpecific	MORF4L2	1.71	NA	Xq22	Mortality factor 4 like 2	Hs.326387
244470_at	3hISvsC_up_MaleSpecific	RNF12	1.27	NA	Xq13-q21	Ring finger protein, LIM domain interacting	Hs.653288
1552927_at	3hISvsC_up_FemaleSpecific	MAP3K7IP3	NA	1.48	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
1565446_at	3hISvsC_up_FemaleSpecific	HPRT1	NA	1.22	Xq26.1	Hypoxanthine phosphoribosyltransferase 1	Hs.412707
201210_at	3hISvsC_up_FemaleSpecific	DDX3X	NA	1.20	Xp11.3-p11.23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linkec	Hs.380774
201666_at	3hISvsC_up_FemaleSpecific	TIMP1	NA	1.29	Xp11.3-p11.23	TIMP metalloproteinase inhibitor 1	Hs.522632
205645_at	3hISvsC_up_FemaleSpecific	REPS2	NA	1.55	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ⁺)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
229560_at	3hISvsC_up_Common	TLR8	1.30	1.47	Xp22	toll-like receptor 8	Hs.660543
230532_at	3hISvsC_up_Common	CXorf38	1.41	1.27	Xp11.4	chromosome X open reading frame 38	Hs.495961
233082_at	3hISvsC_up_Common	ZNF182 /// ZNF630	1.95	1.80	Xp11.3-p11.1	zinc finger protein 630	Hs.650883
243201_at	3hISvsC_up_Common	HNRNPH2	1.48	1.33	Xq22	Heterogeneous nuclear ribonucleoprotein H2 (H ⁺)	Hs.632828
64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
1555590_a_at	3hISvsC_down_MaleSpecific	GATA1	-1.70	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

1552671_a_at	3hISvsC_down_FemaleSpecific	SLC9A7	NA	-1.27	Xp11.3-p11.23 Xp11.3	solute carrier family 9 (sodium/hydrogen exchanger), member 7	Hs.496057
1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
201540_at	3hISvsC_down_FemaleSpecific	FHL1	NA	-1.35	Xq26	four and a half LIM domains 1	Hs.435369
209167_at	3hISvsC_down_FemaleSpecific	GPM6B	NA	-1.68	Xp22.2	glycoprotein M6B	Hs.495710
213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
214607_at	3hISvsC_down_FemaleSpecific	PAK3	NA	-1.64	Xq23	p21 protein (Cdc42/Rac)-activated kinase 3	Hs.656789
218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
223915_at	3hISvsC_down_FemaleSpecific	BCOR	NA	-1.37	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681
224589_at	3hISvsC_down_FemaleSpecific	XIST	NA	-1.48	Xq13.2	X (inactive)-specific transcript (non-protein coding)	---
225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
229286_at	3hISvsC_down_FemaleSpecific	MAGEE1	NA	-1.55	Xq13.3	melanoma antigen family E, 1	Hs.8453
229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
230224_at	3hISvsC_down_FemaleSpecific	ZCCHC18	NA	-1.54	Xq22.2	zinc finger, CCHC domain containing 18	Hs.648338
235433_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.53	Xq21.1	apolipoprotein O-like	Hs.512181
235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

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214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
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226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
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1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
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206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
229560_at	3hISvsC_up_Common	TLR8	1.30	1.47	Xp22	toll-like receptor 8	Hs.660543
230532_at	3hISvsC_up_Common	CXorf38	1.41	1.27	Xp11.4	chromosome X open reading frame 38	Hs.495961
233082_at	3hISvsC_up_Common	ZNF182 /// ZNF630	1.95	1.80	Xp11.3-p11.1	zinc finger protein 630	Hs.650883
243201_at	3hISvsC_up_Common	HNRNPH2	1.48	1.33	Xq22	Heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
1555590_a_at	3hISvsC_down_MaleSpecific	GATA1	-1.70	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

1552671_a_at	3hISvsC_down_FemaleSpecific	SLC9A7	NA	-1.27	Xp11.3-p11.23 Xp11.3	solute carrier family 9 (sodium/hydrogen exchanger), member 7	Hs.496057
1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
201540_at	3hISvsC_down_FemaleSpecific	FHL1	NA	-1.35	Xq26	four and a half LIM domains 1	Hs.435369
209167_at	3hISvsC_down_FemaleSpecific	GPM6B	NA	-1.68	Xp22.2	glycoprotein M6B	Hs.495710
213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
214607_at	3hISvsC_down_FemaleSpecific	PAK3	NA	-1.64	Xq23	p21 protein (Cdc42/Rac)-activated kinase 3	Hs.656789
218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
223915_at	3hISvsC_down_FemaleSpecific	BCOR	NA	-1.37	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681
224589_at	3hISvsC_down_FemaleSpecific	XIST	NA	-1.48	Xq13.2	X (inactive)-specific transcript (non-protein coding)	---
225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
229286_at	3hISvsC_down_FemaleSpecific	MAGEE1	NA	-1.55	Xq13.3	melanoma antigen family E, 1	Hs.8453
229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
230224_at	3hISvsC_down_FemaleSpecific	ZCCHC18	NA	-1.54	Xq22.2	zinc finger, CCHC domain containing 18	Hs.648338
235433_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.53	Xq21.1	apolipoprotein O-like	Hs.512181
235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

SUPPLEMENTAL MATERIAL

Supplementary Table 1. Genes differential expressed between 3h ischemic stroke (3hIS) and non-stroke controls (C) ($\alpha \leq 0.05$, fold change $\geq |1.2|$)

Probeset ID	DE list	Gene Symbol	Fold Change		Cytoband	Gene Title	UniGene ID
			IS * Male vs. Control * Male	IS * Female vs. Control * Female			
1553007_a_at	3hISvsC_up_MaleSpecific	ODZ1	1.38	NA	Xq25	odz, odd Oz/ten-m homolog 1(Drosophila)	Hs.23796
1554206_at	3hISvsC_up_MaleSpecific	TMLHE	1.39	NA	Xq28	trimethyllysine hydroxylase, epsilor	Hs.133321
1559510_at	3hISvsC_up_MaleSpecific	BHLHB9	1.51	NA	Xq23	Basic helix-loop-helix domain containing, class B, 9	Hs.4276
201472_at	3hISvsC_up_MaleSpecific	VBP1	1.35	NA	Xq28	von Hippel-Lindau binding protein 1	Hs.436803
202105_at	3hISvsC_up_MaleSpecific	IGBP1	1.23	NA	Xq13.1-q13.3	immunoglobulin (CD79A) binding protein 1	Hs.496267
206696_at	3hISvsC_up_MaleSpecific	GPR143	1.33	NA	Xp22.3	G protein-coupled receptor 143	Hs.74124
209022_at	3hISvsC_up_MaleSpecific	STAG2	1.31	NA	Xq25	stromal antigen 2	Hs.496710
214009_at	3hISvsC_up_MaleSpecific	MSL3L1	1.40	NA	Xp22.3	male-specific lethal 3 homolog (Drosophila)	Hs.655288
214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
219771_at	3hISvsC_up_MaleSpecific	TBC1D8B	1.56	NA	Xq22.3	TBC1 domain family, member 8B (with GRAM domain)	Hs.351798
226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
228968_at	3hISvsC_up_MaleSpecific	ZNF449	1.31	NA	Xq26.3	zinc finger protein 449	Hs.28780
230866_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.39	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
231747_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.23	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
232087_at	3hISvsC_up_MaleSpecific	CXorf23	1.61	NA	Xp22.12	chromosome X open reading frame 23	Hs.28896
232157_at	3hISvsC_up_MaleSpecific	SPRY3	1.45	NA	Xq28 and Yq12	sprouty homolog 3 (Drosophila)	Hs.381912
236165_at	3hISvsC_up_MaleSpecific	MSL3L1	1.48	NA	---	---	---
238053_at	3hISvsC_up_MaleSpecific	DHRX	1.44	NA	Xp22.33; Yp11.2	dehydrogenase/reductase (SDR family) X-linkec	Hs.131452
238989_at	3hISvsC_up_MaleSpecific	C1GALT1C1	1.44	NA	Xq24	C1GALT1-specific chaperone 1	Hs.643920
242931_at	3hISvsC_up_MaleSpecific	LONRF3	1.38	NA	Xq24	LON peptidase N-terminal domain and ring finger 3	Hs.144266
243683_at	3hISvsC_up_MaleSpecific	MORF4L2	1.71	NA	Xq22	Mortality factor 4 like 2	Hs.326387
244470_at	3hISvsC_up_MaleSpecific	RNF12	1.27	NA	Xq13-q21	Ring finger protein, LIM domain interacting	Hs.653288
1552927_at	3hISvsC_up_FemaleSpecific	MAP3K7IP3	NA	1.48	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
1565446_at	3hISvsC_up_FemaleSpecific	HPRT1	NA	1.22	Xq26.1	Hypoxanthine phosphoribosyltransferase 1	Hs.412707
201210_at	3hISvsC_up_FemaleSpecific	DDX3X	NA	1.20	Xp11.3-p11.23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linkec	Hs.380774
201666_at	3hISvsC_up_FemaleSpecific	TIMP1	NA	1.29	Xp11.3-p11.23	TIMP metalloproteinase inhibitor 1	Hs.522632
205645_at	3hISvsC_up_FemaleSpecific	REPS2	NA	1.55	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
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230532_at	3hISvsC_up_Common	CXorf38	1.41	1.27	Xp11.4	chromosome X open reading frame 38	Hs.495961
233082_at	3hISvsC_up_Common	ZNF182 /// ZNF630	1.95	1.80	Xp11.3-p11.1	zinc finger protein 630	Hs.650883
243201_at	3hISvsC_up_Common	HNRNPH2	1.48	1.33	Xq22	Heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
1555590_a_at	3hISvsC_down_MaleSpecific	GATA1	-1.70	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

1552671_a_at	3hISvsC_down_FemaleSpecific	SLC9A7	NA	-1.27	Xp11.3-p11.23 Xp11.3	solute carrier family 9 (sodium/hydrogen exchanger), member 7	Hs.496057
1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
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213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
214607_at	3hISvsC_down_FemaleSpecific	PAK3	NA	-1.64	Xq23	p21 protein (Cdc42/Rac)-activated kinase 3	Hs.656789
218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
223915_at	3hISvsC_down_FemaleSpecific	BCOR	NA	-1.37	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681
224589_at	3hISvsC_down_FemaleSpecific	XIST	NA	-1.48	Xq13.2	X (inactive)-specific transcript (non-protein coding)	---
225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
229286_at	3hISvsC_down_FemaleSpecific	MAGEE1	NA	-1.55	Xq13.3	melanoma antigen family E, 1	Hs.8453
229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
230224_at	3hISvsC_down_FemaleSpecific	ZCCHC18	NA	-1.54	Xq22.2	zinc finger, CCHC domain containing 18	Hs.648338
235433_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.53	Xq21.1	apolipoprotein O-like	Hs.512181
235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

SUPPLEMENTAL MATERIAL

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1559510_at	3hISvsC_up_MaleSpecific	BHLHB9	1.51	NA	Xq23	Basic helix-loop-helix domain containing, class B, 9	Hs.4276
201472_at	3hISvsC_up_MaleSpecific	VBP1	1.35	NA	Xq28	von Hippel-Lindau binding protein 1	Hs.436803
202105_at	3hISvsC_up_MaleSpecific	IGBP1	1.23	NA	Xq13.1-q13.3	immunoglobulin (CD79A) binding protein 1	Hs.496267
206696_at	3hISvsC_up_MaleSpecific	GPR143	1.33	NA	Xp22.3	G protein-coupled receptor 143	Hs.74124
209022_at	3hISvsC_up_MaleSpecific	STAG2	1.31	NA	Xq25	stromal antigen 2	Hs.496710
214009_at	3hISvsC_up_MaleSpecific	MSL3L1	1.40	NA	Xp22.3	male-specific lethal 3 homolog (Drosophila)	Hs.655288
214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
219771_at	3hISvsC_up_MaleSpecific	TBC1D8B	1.56	NA	Xq22.3	TBC1 domain family, member 8B (with GRAM domain)	Hs.351798
226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
228968_at	3hISvsC_up_MaleSpecific	ZNF449	1.31	NA	Xq26.3	zinc finger protein 449	Hs.28780
230866_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.39	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
231747_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.23	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
232087_at	3hISvsC_up_MaleSpecific	CXorf23	1.61	NA	Xp22.12	chromosome X open reading frame 23	Hs.28896
232157_at	3hISvsC_up_MaleSpecific	SPRY3	1.45	NA	Xq28 and Yq12	sprouty homolog 3 (Drosophila)	Hs.381912
236165_at	3hISvsC_up_MaleSpecific	MSL3L1	1.48	NA	---	---	---
238053_at	3hISvsC_up_MaleSpecific	DHRX	1.44	NA	Xp22.33; Yp11.2	dehydrogenase/reductase (SDR family) X-linkec	Hs.131452
238989_at	3hISvsC_up_MaleSpecific	C1GALT1C1	1.44	NA	Xq24	C1GALT1-specific chaperone 1	Hs.643920
242931_at	3hISvsC_up_MaleSpecific	LONRF3	1.38	NA	Xq24	LON peptidase N-terminal domain and ring finger 3	Hs.144266
243683_at	3hISvsC_up_MaleSpecific	MORF4L2	1.71	NA	Xq22	Mortality factor 4 like 2	Hs.326387
244470_at	3hISvsC_up_MaleSpecific	RNF12	1.27	NA	Xq13-q21	Ring finger protein, LIM domain interacting	Hs.653288
1552927_at	3hISvsC_up_FemaleSpecific	MAP3K7IP3	NA	1.48	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
1565446_at	3hISvsC_up_FemaleSpecific	HPRT1	NA	1.22	Xq26.1	Hypoxanthine phosphoribosyltransferase 1	Hs.412707
201210_at	3hISvsC_up_FemaleSpecific	DDX3X	NA	1.20	Xp11.3-p11.23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linkec	Hs.380774
201666_at	3hISvsC_up_FemaleSpecific	TIMP1	NA	1.29	Xp11.3-p11.23	TIMP metalloproteinase inhibitor 1	Hs.522632
205645_at	3hISvsC_up_FemaleSpecific	REPS2	NA	1.55	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
229560_at	3hISvsC_up_Common	TLR8	1.30	1.47	Xp22	toll-like receptor 8	Hs.660543
230532_at	3hISvsC_up_Common	CXorf38	1.41	1.27	Xp11.4	chromosome X open reading frame 38	Hs.495961
233082_at	3hISvsC_up_Common	ZNF182 /// ZNF630	1.95	1.80	Xp11.3-p11.1	zinc finger protein 630	Hs.650883
243201_at	3hISvsC_up_Common	HNRNPH2	1.48	1.33	Xq22	Heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
1555590_a_at	3hISvsC_down_MaleSpecific	GATA1	-1.70	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

1552671_a_at	3hISvsC_down_FemaleSpecific	SLC9A7	NA	-1.27	Xp11.3-p11.23 Xp11.3	solute carrier family 9 (sodium/hydrogen exchanger), member 7	Hs.496057
1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
201540_at	3hISvsC_down_FemaleSpecific	FHL1	NA	-1.35	Xq26	four and a half LIM domains 1	Hs.435369
209167_at	3hISvsC_down_FemaleSpecific	GPM6B	NA	-1.68	Xp22.2	glycoprotein M6B	Hs.495710
213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
214607_at	3hISvsC_down_FemaleSpecific	PAK3	NA	-1.64	Xq23	p21 protein (Cdc42/Rac)-activated kinase 3	Hs.656789
218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
223915_at	3hISvsC_down_FemaleSpecific	BCOR	NA	-1.37	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681
224589_at	3hISvsC_down_FemaleSpecific	XIST	NA	-1.48	Xq13.2	X (inactive)-specific transcript (non-protein coding)	---
225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
229286_at	3hISvsC_down_FemaleSpecific	MAGEE1	NA	-1.55	Xq13.3	melanoma antigen family E, 1	Hs.8453
229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
230224_at	3hISvsC_down_FemaleSpecific	ZCCHC18	NA	-1.54	Xq22.2	zinc finger, CCHC domain containing 18	Hs.648338
235433_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.53	Xq21.1	apolipoprotein O-like	Hs.512181
235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

SUPPLEMENTAL MATERIAL

Supplementary Table 1. Genes differential expressed between 3h ischemic stroke (3hIS) and non-stroke controls (C) ($\alpha \leq 0.05$, fold change $\geq |1.2|$)

Probeset ID	DE list	Gene Symbol	Fold Change		Cytoband	Gene Title	UniGene ID
			IS * Male vs. Control * Male	IS * Female vs. Control * Female			
1553007_a_at	3hISvsC_up_MaleSpecific	ODZ1	1.38	NA	Xq25	odz, odd Oz/ten-m homolog 1(Drosophila)	Hs.23796
1554206_at	3hISvsC_up_MaleSpecific	TMLHE	1.39	NA	Xq28	trimethyllysine hydroxylase, epsilor	Hs.133321
1559510_at	3hISvsC_up_MaleSpecific	BHLHB9	1.51	NA	Xq23	Basic helix-loop-helix domain containing, class B, 9	Hs.4276
201472_at	3hISvsC_up_MaleSpecific	VBP1	1.35	NA	Xq28	von Hippel-Lindau binding protein 1	Hs.436803
202105_at	3hISvsC_up_MaleSpecific	IGBP1	1.23	NA	Xq13.1-q13.3	immunoglobulin (CD79A) binding protein 1	Hs.496267
206696_at	3hISvsC_up_MaleSpecific	GPR143	1.33	NA	Xp22.3	G protein-coupled receptor 143	Hs.74124
209022_at	3hISvsC_up_MaleSpecific	STAG2	1.31	NA	Xq25	stromal antigen 2	Hs.496710
214009_at	3hISvsC_up_MaleSpecific	MSL3L1	1.40	NA	Xp22.3	male-specific lethal 3 homolog (Drosophila)	Hs.655288
214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
219771_at	3hISvsC_up_MaleSpecific	TBC1D8B	1.56	NA	Xq22.3	TBC1 domain family, member 8B (with GRAM domain)	Hs.351798
226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
228968_at	3hISvsC_up_MaleSpecific	ZNF449	1.31	NA	Xq26.3	zinc finger protein 449	Hs.28780
230866_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.39	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
231747_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.23	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
232087_at	3hISvsC_up_MaleSpecific	CXorf23	1.61	NA	Xp22.12	chromosome X open reading frame 23	Hs.28896
232157_at	3hISvsC_up_MaleSpecific	SPRY3	1.45	NA	Xq28 and Yq12	sprouty homolog 3 (Drosophila)	Hs.381912
236165_at	3hISvsC_up_MaleSpecific	MSL3L1	1.48	NA	---	---	---
238053_at	3hISvsC_up_MaleSpecific	DHRX	1.44	NA	Xp22.33; Yp11.2	dehydrogenase/reductase (SDR family) X-linkec	Hs.131452
238989_at	3hISvsC_up_MaleSpecific	C1GALT1C1	1.44	NA	Xq24	C1GALT1-specific chaperone 1	Hs.643920
242931_at	3hISvsC_up_MaleSpecific	LONRF3	1.38	NA	Xq24	LON peptidase N-terminal domain and ring finger 3	Hs.144266
243683_at	3hISvsC_up_MaleSpecific	MORF4L2	1.71	NA	Xq22	Mortality factor 4 like 2	Hs.326387
244470_at	3hISvsC_up_MaleSpecific	RNF12	1.27	NA	Xq13-q21	Ring finger protein, LIM domain interacting	Hs.653288
1552927_at	3hISvsC_up_FemaleSpecific	MAP3K7IP3	NA	1.48	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
1565446_at	3hISvsC_up_FemaleSpecific	HPRT1	NA	1.22	Xq26.1	Hypoxanthine phosphoribosyltransferase 1	Hs.412707
201210_at	3hISvsC_up_FemaleSpecific	DDX3X	NA	1.20	Xp11.3-p11.23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linkec	Hs.380774
201666_at	3hISvsC_up_FemaleSpecific	TIMP1	NA	1.29	Xp11.3-p11.23	TIMP metalloproteinase inhibitor 1	Hs.522632
205645_at	3hISvsC_up_FemaleSpecific	REPS2	NA	1.55	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
229560_at	3hISvsC_up_Common	TLR8	1.30	1.47	Xp22	toll-like receptor 8	Hs.660543
230532_at	3hISvsC_up_Common	CXorf38	1.41	1.27	Xp11.4	chromosome X open reading frame 38	Hs.495961
233082_at	3hISvsC_up_Common	ZNF182 /// ZNF630	1.95	1.80	Xp11.3-p11.1	zinc finger protein 630	Hs.650883
243201_at	3hISvsC_up_Common	HNRNPH2	1.48	1.33	Xq22	Heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
1555590_a_at	3hISvsC_down_MaleSpecific	GATA1	-1.70	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

1552671_a_at	3hISvsC_down_FemaleSpecific	SLC9A7	NA	-1.27	Xp11.3-p11.23 Xp11.3	solute carrier family 9 (sodium/hydrogen exchanger), member 7	Hs.496057
1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
201540_at	3hISvsC_down_FemaleSpecific	FHL1	NA	-1.35	Xq26	four and a half LIM domains 1	Hs.435369
209167_at	3hISvsC_down_FemaleSpecific	GPM6B	NA	-1.68	Xp22.2	glycoprotein M6B	Hs.495710
213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
214607_at	3hISvsC_down_FemaleSpecific	PAK3	NA	-1.64	Xq23	p21 protein (Cdc42/Rac)-activated kinase 3	Hs.656789
218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
223915_at	3hISvsC_down_FemaleSpecific	BCOR	NA	-1.37	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681
224589_at	3hISvsC_down_FemaleSpecific	XIST	NA	-1.48	Xq13.2	X (inactive)-specific transcript (non-protein coding)	---
225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
229286_at	3hISvsC_down_FemaleSpecific	MAGEE1	NA	-1.55	Xq13.3	melanoma antigen family E, 1	Hs.8453
229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
230224_at	3hISvsC_down_FemaleSpecific	ZCCHC18	NA	-1.54	Xq22.2	zinc finger, CCHC domain containing 18	Hs.648338
235433_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.53	Xq21.1	apolipoprotein O-like	Hs.512181
235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

SUPPLEMENTAL MATERIAL

Supplementary Table 1. Genes differential expressed between 3h ischemic stroke (3hIS) and non-stroke controls (C) ($\alpha \leq 0.05$, fold change $\geq |1.2|$)

Probeset ID	DE list	Gene Symbol	Fold Change		Cytoband	Gene Title	UniGene ID
			IS * Male vs. Control * Male	IS * Female vs. Control * Female			
1553007_a_at	3hISvsC_up_MaleSpecific	ODZ1	1.38	NA	Xq25	odz, odd Oz/ten-m homolog 1(Drosophila)	Hs.23796
1554206_at	3hISvsC_up_MaleSpecific	TMLHE	1.39	NA	Xq28	trimethyllysine hydroxylase, epsilor	Hs.133321
1559510_at	3hISvsC_up_MaleSpecific	BHLHB9	1.51	NA	Xq23	Basic helix-loop-helix domain containing, class B, 9	Hs.4276
201472_at	3hISvsC_up_MaleSpecific	VBP1	1.35	NA	Xq28	von Hippel-Lindau binding protein 1	Hs.436803
202105_at	3hISvsC_up_MaleSpecific	IGBP1	1.23	NA	Xq13.1-q13.3	immunoglobulin (CD79A) binding protein 1	Hs.496267
206696_at	3hISvsC_up_MaleSpecific	GPR143	1.33	NA	Xp22.3	G protein-coupled receptor 143	Hs.74124
209022_at	3hISvsC_up_MaleSpecific	STAG2	1.31	NA	Xq25	stromal antigen 2	Hs.496710
214009_at	3hISvsC_up_MaleSpecific	MSL3L1	1.40	NA	Xp22.3	male-specific lethal 3 homolog (Drosophila)	Hs.655288
214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
219771_at	3hISvsC_up_MaleSpecific	TBC1D8B	1.56	NA	Xq22.3	TBC1 domain family, member 8B (with GRAM domain)	Hs.351798
226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
228968_at	3hISvsC_up_MaleSpecific	ZNF449	1.31	NA	Xq26.3	zinc finger protein 449	Hs.28780
230866_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.39	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
231747_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.23	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
232087_at	3hISvsC_up_MaleSpecific	CXorf23	1.61	NA	Xp22.12	chromosome X open reading frame 23	Hs.28896
232157_at	3hISvsC_up_MaleSpecific	SPRY3	1.45	NA	Xq28 and Yq12	sprouty homolog 3 (Drosophila)	Hs.381912
236165_at	3hISvsC_up_MaleSpecific	MSL3L1	1.48	NA	---	---	---
238053_at	3hISvsC_up_MaleSpecific	DHRX	1.44	NA	Xp22.33; Yp11.2	dehydrogenase/reductase (SDR family) X-linkec	Hs.131452
238989_at	3hISvsC_up_MaleSpecific	C1GALT1C1	1.44	NA	Xq24	C1GALT1-specific chaperone 1	Hs.643920
242931_at	3hISvsC_up_MaleSpecific	LONRF3	1.38	NA	Xq24	LON peptidase N-terminal domain and ring finger 3	Hs.144266
243683_at	3hISvsC_up_MaleSpecific	MORF4L2	1.71	NA	Xq22	Mortality factor 4 like 2	Hs.326387
244470_at	3hISvsC_up_MaleSpecific	RNF12	1.27	NA	Xq13-q21	Ring finger protein, LIM domain interacting	Hs.653288
1552927_at	3hISvsC_up_FemaleSpecific	MAP3K7IP3	NA	1.48	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
1565446_at	3hISvsC_up_FemaleSpecific	HPRT1	NA	1.22	Xq26.1	Hypoxanthine phosphoribosyltransferase 1	Hs.412707
201210_at	3hISvsC_up_FemaleSpecific	DDX3X	NA	1.20	Xp11.3-p11.23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linkec	Hs.380774
201666_at	3hISvsC_up_FemaleSpecific	TIMP1	NA	1.29	Xp11.3-p11.23	TIMP metalloproteinase inhibitor 1	Hs.522632
205645_at	3hISvsC_up_FemaleSpecific	REPS2	NA	1.55	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
229560_at	3hISvsC_up_Common	TLR8	1.30	1.47	Xp22	toll-like receptor 8	Hs.660543
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64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
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202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

1552671_a_at	3hISvsC_down_FemaleSpecific	SLC9A7	NA	-1.27	Xp11.3-p11.23 Xp11.3	solute carrier family 9 (sodium/hydrogen exchanger), member 7	Hs.496057
1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
201540_at	3hISvsC_down_FemaleSpecific	FHL1	NA	-1.35	Xq26	four and a half LIM domains 1	Hs.435369
209167_at	3hISvsC_down_FemaleSpecific	GPM6B	NA	-1.68	Xp22.2	glycoprotein M6B	Hs.495710
213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
214607_at	3hISvsC_down_FemaleSpecific	PAK3	NA	-1.64	Xq23	p21 protein (Cdc42/Rac)-activated kinase 3	Hs.656789
218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
223915_at	3hISvsC_down_FemaleSpecific	BCOR	NA	-1.37	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681
224589_at	3hISvsC_down_FemaleSpecific	XIST	NA	-1.48	Xq13.2	X (inactive)-specific transcript (non-protein coding)	---
225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
229286_at	3hISvsC_down_FemaleSpecific	MAGEE1	NA	-1.55	Xq13.3	melanoma antigen family E, 1	Hs.8453
229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
230224_at	3hISvsC_down_FemaleSpecific	ZCCHC18	NA	-1.54	Xq22.2	zinc finger, CCHC domain containing 18	Hs.648338
235433_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.53	Xq21.1	apolipoprotein O-like	Hs.512181
235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

SUPPLEMENTAL MATERIAL

Supplementary Table 1. Genes differential expressed between 3h ischemic stroke (3hIS) and non-stroke controls (C) ($\alpha \leq 0.05$, fold change $\geq |1.2|$)

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1553007_a_at	3hISvsC_up_MaleSpecific	ODZ1	1.38	NA	Xq25	odz, odd Oz/ten-m homolog 1(Drosophila)	Hs.23796
1554206_at	3hISvsC_up_MaleSpecific	TMLHE	1.39	NA	Xq28	trimethyllysine hydroxylase, epsilor	Hs.133321
1559510_at	3hISvsC_up_MaleSpecific	BHLHB9	1.51	NA	Xq23	Basic helix-loop-helix domain containing, class B, 9	Hs.4276
201472_at	3hISvsC_up_MaleSpecific	VBP1	1.35	NA	Xq28	von Hippel-Lindau binding protein 1	Hs.436803
202105_at	3hISvsC_up_MaleSpecific	IGBP1	1.23	NA	Xq13.1-q13.3	immunoglobulin (CD79A) binding protein 1	Hs.496267
206696_at	3hISvsC_up_MaleSpecific	GPR143	1.33	NA	Xp22.3	G protein-coupled receptor 143	Hs.74124
209022_at	3hISvsC_up_MaleSpecific	STAG2	1.31	NA	Xq25	stromal antigen 2	Hs.496710
214009_at	3hISvsC_up_MaleSpecific	MSL3L1	1.40	NA	Xp22.3	male-specific lethal 3 homolog (Drosophila)	Hs.655288
214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
219771_at	3hISvsC_up_MaleSpecific	TBC1D8B	1.56	NA	Xq22.3	TBC1 domain family, member 8B (with GRAM domain)	Hs.351798
226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
228968_at	3hISvsC_up_MaleSpecific	ZNF449	1.31	NA	Xq26.3	zinc finger protein 449	Hs.28780
230866_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.39	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
231747_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.23	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
232087_at	3hISvsC_up_MaleSpecific	CXorf23	1.61	NA	Xp22.12	chromosome X open reading frame 23	Hs.28896
232157_at	3hISvsC_up_MaleSpecific	SPRY3	1.45	NA	Xq28 and Yq12	sprouty homolog 3 (Drosophila)	Hs.381912
236165_at	3hISvsC_up_MaleSpecific	MSL3L1	1.48	NA	---	---	---
238053_at	3hISvsC_up_MaleSpecific	DHRX	1.44	NA	Xp22.33; Yp11.2	dehydrogenase/reductase (SDR family) X-linkec	Hs.131452
238989_at	3hISvsC_up_MaleSpecific	C1GALT1C1	1.44	NA	Xq24	C1GALT1-specific chaperone 1	Hs.643920
242931_at	3hISvsC_up_MaleSpecific	LONRF3	1.38	NA	Xq24	LON peptidase N-terminal domain and ring finger 3	Hs.144266
243683_at	3hISvsC_up_MaleSpecific	MORF4L2	1.71	NA	Xq22	Mortality factor 4 like 2	Hs.326387
244470_at	3hISvsC_up_MaleSpecific	RNF12	1.27	NA	Xq13-q21	Ring finger protein, LIM domain interacting	Hs.653288
1552927_at	3hISvsC_up_FemaleSpecific	MAP3K7IP3	NA	1.48	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
1565446_at	3hISvsC_up_FemaleSpecific	HPRT1	NA	1.22	Xq26.1	Hypoxanthine phosphoribosyltransferase 1	Hs.412707
201210_at	3hISvsC_up_FemaleSpecific	DDX3X	NA	1.20	Xp11.3-p11.23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linkec	Hs.380774
201666_at	3hISvsC_up_FemaleSpecific	TIMP1	NA	1.29	Xp11.3-p11.23	TIMP metalloproteinase inhibitor 1	Hs.522632
205645_at	3hISvsC_up_FemaleSpecific	REPS2	NA	1.55	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
229560_at	3hISvsC_up_Common	TLR8	1.30	1.47	Xp22	toll-like receptor 8	Hs.660543
230532_at	3hISvsC_up_Common	CXorf38	1.41	1.27	Xp11.4	chromosome X open reading frame 38	Hs.495961
233082_at	3hISvsC_up_Common	ZNF182 /// ZNF630	1.95	1.80	Xp11.3-p11.1	zinc finger protein 630	Hs.650883
243201_at	3hISvsC_up_Common	HNRNPH2	1.48	1.33	Xq22	Heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
1555590_a_at	3hISvsC_down_MaleSpecific	GATA1	-1.70	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

1552671_a_at	3hISvsC_down_FemaleSpecific	SLC9A7	NA	-1.27	Xp11.3-p11.23 Xp11.3	solute carrier family 9 (sodium/hydrogen exchanger), member 7	Hs.496057
1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
201540_at	3hISvsC_down_FemaleSpecific	FHL1	NA	-1.35	Xq26	four and a half LIM domains 1	Hs.435369
209167_at	3hISvsC_down_FemaleSpecific	GPM6B	NA	-1.68	Xp22.2	glycoprotein M6B	Hs.495710
213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
214607_at	3hISvsC_down_FemaleSpecific	PAK3	NA	-1.64	Xq23	p21 protein (Cdc42/Rac)-activated kinase 3	Hs.656789
218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
223915_at	3hISvsC_down_FemaleSpecific	BCOR	NA	-1.37	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681
224589_at	3hISvsC_down_FemaleSpecific	XIST	NA	-1.48	Xq13.2	X (inactive)-specific transcript (non-protein coding)	---
225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
229286_at	3hISvsC_down_FemaleSpecific	MAGEE1	NA	-1.55	Xq13.3	melanoma antigen family E, 1	Hs.8453
229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
230224_at	3hISvsC_down_FemaleSpecific	ZCCHC18	NA	-1.54	Xq22.2	zinc finger, CCHC domain containing 18	Hs.648338
235433_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.53	Xq21.1	apolipoprotein O-like	Hs.512181
235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

SUPPLEMENTAL MATERIAL

Supplementary Table 1. Genes differential expressed between 3h ischemic stroke (3hIS) and non-stroke controls (C) ($\alpha \leq 0.05$, fold change $\geq |1.2|$)

Probeset ID	DE list	Gene Symbol	Fold Change		Cytoband	Gene Title	UniGene ID
			IS * Male vs. Control * Male	IS * Female vs. Control * Female			
1553007_a_at	3hISvsC_up_MaleSpecific	ODZ1	1.38	NA	Xq25	odz, odd Oz/ten-m homolog 1(Drosophila)	Hs.23796
1554206_at	3hISvsC_up_MaleSpecific	TMLHE	1.39	NA	Xq28	trimethyllysine hydroxylase, epsilor	Hs.133321
1559510_at	3hISvsC_up_MaleSpecific	BHLHB9	1.51	NA	Xq23	Basic helix-loop-helix domain containing, class B, 9	Hs.4276
201472_at	3hISvsC_up_MaleSpecific	VBP1	1.35	NA	Xq28	von Hippel-Lindau binding protein 1	Hs.436803
202105_at	3hISvsC_up_MaleSpecific	IGBP1	1.23	NA	Xq13.1-q13.3	immunoglobulin (CD79A) binding protein 1	Hs.496267
206696_at	3hISvsC_up_MaleSpecific	GPR143	1.33	NA	Xp22.3	G protein-coupled receptor 143	Hs.74124
209022_at	3hISvsC_up_MaleSpecific	STAG2	1.31	NA	Xq25	stromal antigen 2	Hs.496710
214009_at	3hISvsC_up_MaleSpecific	MSL3L1	1.40	NA	Xp22.3	male-specific lethal 3 homolog (Drosophila)	Hs.655288
214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
219771_at	3hISvsC_up_MaleSpecific	TBC1D8B	1.56	NA	Xq22.3	TBC1 domain family, member 8B (with GRAM domain)	Hs.351798
226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
228968_at	3hISvsC_up_MaleSpecific	ZNF449	1.31	NA	Xq26.3	zinc finger protein 449	Hs.28780
230866_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.39	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
231747_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.23	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
232087_at	3hISvsC_up_MaleSpecific	CXorf23	1.61	NA	Xp22.12	chromosome X open reading frame 23	Hs.28896
232157_at	3hISvsC_up_MaleSpecific	SPRY3	1.45	NA	Xq28 and Yq12	sprouty homolog 3 (Drosophila)	Hs.381912
236165_at	3hISvsC_up_MaleSpecific	MSL3L1	1.48	NA	---	---	---
238053_at	3hISvsC_up_MaleSpecific	DHRX	1.44	NA	Xp22.33; Yp11.2	dehydrogenase/reductase (SDR family) X-linkec	Hs.131452
238989_at	3hISvsC_up_MaleSpecific	C1GALT1C1	1.44	NA	Xq24	C1GALT1-specific chaperone 1	Hs.643920
242931_at	3hISvsC_up_MaleSpecific	LONRF3	1.38	NA	Xq24	LON peptidase N-terminal domain and ring finger 3	Hs.144266
243683_at	3hISvsC_up_MaleSpecific	MORF4L2	1.71	NA	Xq22	Mortality factor 4 like 2	Hs.326387
244470_at	3hISvsC_up_MaleSpecific	RNF12	1.27	NA	Xq13-q21	Ring finger protein, LIM domain interacting	Hs.653288
1552927_at	3hISvsC_up_FemaleSpecific	MAP3K7IP3	NA	1.48	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
1565446_at	3hISvsC_up_FemaleSpecific	HPRT1	NA	1.22	Xq26.1	Hypoxanthine phosphoribosyltransferase 1	Hs.412707
201210_at	3hISvsC_up_FemaleSpecific	DDX3X	NA	1.20	Xp11.3-p11.23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linkec	Hs.380774
201666_at	3hISvsC_up_FemaleSpecific	TIMP1	NA	1.29	Xp11.3-p11.23	TIMP metalloproteinase inhibitor 1	Hs.522632
205645_at	3hISvsC_up_FemaleSpecific	REPS2	NA	1.55	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
229560_at	3hISvsC_up_Common	TLR8	1.30	1.47	Xp22	toll-like receptor 8	Hs.660543
230532_at	3hISvsC_up_Common	CXorf38	1.41	1.27	Xp11.4	chromosome X open reading frame 38	Hs.495961
233082_at	3hISvsC_up_Common	ZNF182 /// ZNF630	1.95	1.80	Xp11.3-p11.1	zinc finger protein 630	Hs.650883
243201_at	3hISvsC_up_Common	HNRNPH2	1.48	1.33	Xq22	Heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
1555590_a_at	3hISvsC_down_MaleSpecific	GATA1	-1.70	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

1552671_a_at	3hISvsC_down_FemaleSpecific	SLC9A7	NA	-1.27	Xp11.3-p11.23 Xp11.3	solute carrier family 9 (sodium/hydrogen exchanger), member 7	Hs.496057
1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
201540_at	3hISvsC_down_FemaleSpecific	FHL1	NA	-1.35	Xq26	four and a half LIM domains 1	Hs.435369
209167_at	3hISvsC_down_FemaleSpecific	GPM6B	NA	-1.68	Xp22.2	glycoprotein M6B	Hs.495710
213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
214607_at	3hISvsC_down_FemaleSpecific	PAK3	NA	-1.64	Xq23	p21 protein (Cdc42/Rac)-activated kinase 3	Hs.656789
218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
223915_at	3hISvsC_down_FemaleSpecific	BCOR	NA	-1.37	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681
224589_at	3hISvsC_down_FemaleSpecific	XIST	NA	-1.48	Xq13.2	X (inactive)-specific transcript (non-protein coding)	---
225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
229286_at	3hISvsC_down_FemaleSpecific	MAGEE1	NA	-1.55	Xq13.3	melanoma antigen family E, 1	Hs.8453
229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
230224_at	3hISvsC_down_FemaleSpecific	ZCCHC18	NA	-1.54	Xq22.2	zinc finger, CCHC domain containing 18	Hs.648338
235433_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.53	Xq21.1	apolipoprotein O-like	Hs.512181
235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

SUPPLEMENTAL MATERIAL

Supplementary Table 1. Genes differential expressed between 3h ischemic stroke (3hIS) and non-stroke controls (C) ($\alpha \leq 0.05$, fold change $\geq |1.2|$)

Probeset ID	DE list	Gene Symbol	Fold Change		Cytoband	Gene Title	UniGene ID
			IS * Male vs. Control * Male	IS * Female vs. Control * Female			
1553007_a_at	3hISvsC_up_MaleSpecific	ODZ1	1.38	NA	Xq25	odz, odd Oz/ten-m homolog 1(Drosophila)	Hs.23796
1554206_at	3hISvsC_up_MaleSpecific	TMLHE	1.39	NA	Xq28	trimethyllysine hydroxylase, epsilor	Hs.133321
1559510_at	3hISvsC_up_MaleSpecific	BHLHB9	1.51	NA	Xq23	Basic helix-loop-helix domain containing, class B, 9	Hs.4276
201472_at	3hISvsC_up_MaleSpecific	VBP1	1.35	NA	Xq28	von Hippel-Lindau binding protein 1	Hs.436803
202105_at	3hISvsC_up_MaleSpecific	IGBP1	1.23	NA	Xq13.1-q13.3	immunoglobulin (CD79A) binding protein 1	Hs.496267
206696_at	3hISvsC_up_MaleSpecific	GPR143	1.33	NA	Xp22.3	G protein-coupled receptor 143	Hs.74124
209022_at	3hISvsC_up_MaleSpecific	STAG2	1.31	NA	Xq25	stromal antigen 2	Hs.496710
214009_at	3hISvsC_up_MaleSpecific	MSL3L1	1.40	NA	Xp22.3	male-specific lethal 3 homolog (Drosophila)	Hs.655288
214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
219771_at	3hISvsC_up_MaleSpecific	TBC1D8B	1.56	NA	Xq22.3	TBC1 domain family, member 8B (with GRAM domain)	Hs.351798
226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
228968_at	3hISvsC_up_MaleSpecific	ZNF449	1.31	NA	Xq26.3	zinc finger protein 449	Hs.28780
230866_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.39	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
231747_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.23	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
232087_at	3hISvsC_up_MaleSpecific	CXorf23	1.61	NA	Xp22.12	chromosome X open reading frame 23	Hs.28896
232157_at	3hISvsC_up_MaleSpecific	SPRY3	1.45	NA	Xq28 and Yq12	sprouty homolog 3 (Drosophila)	Hs.381912
236165_at	3hISvsC_up_MaleSpecific	MSL3L1	1.48	NA	---	---	---
238053_at	3hISvsC_up_MaleSpecific	DHRX	1.44	NA	Xp22.33; Yp11.2	dehydrogenase/reductase (SDR family) X-linkec	Hs.131452
238989_at	3hISvsC_up_MaleSpecific	C1GALT1C1	1.44	NA	Xq24	C1GALT1-specific chaperone 1	Hs.643920
242931_at	3hISvsC_up_MaleSpecific	LONRF3	1.38	NA	Xq24	LON peptidase N-terminal domain and ring finger 3	Hs.144266
243683_at	3hISvsC_up_MaleSpecific	MORF4L2	1.71	NA	Xq22	Mortality factor 4 like 2	Hs.326387
244470_at	3hISvsC_up_MaleSpecific	RNF12	1.27	NA	Xq13-q21	Ring finger protein, LIM domain interacting	Hs.653288
1552927_at	3hISvsC_up_FemaleSpecific	MAP3K7IP3	NA	1.48	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
1565446_at	3hISvsC_up_FemaleSpecific	HPRT1	NA	1.22	Xq26.1	Hypoxanthine phosphoribosyltransferase 1	Hs.412707
201210_at	3hISvsC_up_FemaleSpecific	DDX3X	NA	1.20	Xp11.3-p11.23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linkec	Hs.380774
201666_at	3hISvsC_up_FemaleSpecific	TIMP1	NA	1.29	Xp11.3-p11.23	TIMP metalloproteinase inhibitor 1	Hs.522632
205645_at	3hISvsC_up_FemaleSpecific	REPS2	NA	1.55	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ⁺)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
229560_at	3hISvsC_up_Common	TLR8	1.30	1.47	Xp22	toll-like receptor 8	Hs.660543
230532_at	3hISvsC_up_Common	CXorf38	1.41	1.27	Xp11.4	chromosome X open reading frame 38	Hs.495961
233082_at	3hISvsC_up_Common	ZNF182 /// ZNF630	1.95	1.80	Xp11.3-p11.1	zinc finger protein 630	Hs.650883
243201_at	3hISvsC_up_Common	HNRNPH2	1.48	1.33	Xq22	Heterogeneous nuclear ribonucleoprotein H2 (H ⁺)	Hs.632828
64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
1555590_a_at	3hISvsC_down_MaleSpecific	GATA1	-1.70	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

1552671_a_at	3hISvsC_down_FemaleSpecific	SLC9A7	NA	-1.27	Xp11.3-p11.23 Xp11.3	solute carrier family 9 (sodium/hydrogen exchanger), member 7	Hs.496057
1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
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213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
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218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
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225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
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229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
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235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

SUPPLEMENTAL MATERIAL

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1554206_at	3hISvsC_up_MaleSpecific	TMLHE	1.39	NA	Xq28	trimethyllysine hydroxylase, epsilor	Hs.133321
1559510_at	3hISvsC_up_MaleSpecific	BHLHB9	1.51	NA	Xq23	Basic helix-loop-helix domain containing, class B, 9	Hs.4276
201472_at	3hISvsC_up_MaleSpecific	VBP1	1.35	NA	Xq28	von Hippel-Lindau binding protein 1	Hs.436803
202105_at	3hISvsC_up_MaleSpecific	IGBP1	1.23	NA	Xq13.1-q13.3	immunoglobulin (CD79A) binding protein 1	Hs.496267
206696_at	3hISvsC_up_MaleSpecific	GPR143	1.33	NA	Xp22.3	G protein-coupled receptor 143	Hs.74124
209022_at	3hISvsC_up_MaleSpecific	STAG2	1.31	NA	Xq25	stromal antigen 2	Hs.496710
214009_at	3hISvsC_up_MaleSpecific	MSL3L1	1.40	NA	Xp22.3	male-specific lethal 3 homolog (Drosophila)	Hs.655288
214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
219771_at	3hISvsC_up_MaleSpecific	TBC1D8B	1.56	NA	Xq22.3	TBC1 domain family, member 8B (with GRAM domain)	Hs.351798
226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
228968_at	3hISvsC_up_MaleSpecific	ZNF449	1.31	NA	Xq26.3	zinc finger protein 449	Hs.28780
230866_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.39	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
231747_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.23	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
232087_at	3hISvsC_up_MaleSpecific	CXorf23	1.61	NA	Xp22.12	chromosome X open reading frame 23	Hs.28896
232157_at	3hISvsC_up_MaleSpecific	SPRY3	1.45	NA	Xq28 and Yq12	sprouty homolog 3 (Drosophila)	Hs.381912
236165_at	3hISvsC_up_MaleSpecific	MSL3L1	1.48	NA	---	---	---
238053_at	3hISvsC_up_MaleSpecific	DHRX	1.44	NA	Xp22.33; Yp11.2	dehydrogenase/reductase (SDR family) X-linkec	Hs.131452
238989_at	3hISvsC_up_MaleSpecific	C1GALT1C1	1.44	NA	Xq24	C1GALT1-specific chaperone 1	Hs.643920
242931_at	3hISvsC_up_MaleSpecific	LONRF3	1.38	NA	Xq24	LON peptidase N-terminal domain and ring finger 3	Hs.144266
243683_at	3hISvsC_up_MaleSpecific	MORF4L2	1.71	NA	Xq22	Mortality factor 4 like 2	Hs.326387
244470_at	3hISvsC_up_MaleSpecific	RNF12	1.27	NA	Xq13-q21	Ring finger protein, LIM domain interacting	Hs.653288
1552927_at	3hISvsC_up_FemaleSpecific	MAP3K7IP3	NA	1.48	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
1565446_at	3hISvsC_up_FemaleSpecific	HPRT1	NA	1.22	Xq26.1	Hypoxanthine phosphoribosyltransferase 1	Hs.412707
201210_at	3hISvsC_up_FemaleSpecific	DDX3X	NA	1.20	Xp11.3-p11.23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linkec	Hs.380774
201666_at	3hISvsC_up_FemaleSpecific	TIMP1	NA	1.29	Xp11.3-p11.23	TIMP metalloproteinase inhibitor 1	Hs.522632
205645_at	3hISvsC_up_FemaleSpecific	REPS2	NA	1.55	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
229560_at	3hISvsC_up_Common	TLR8	1.30	1.47	Xp22	toll-like receptor 8	Hs.660543
230532_at	3hISvsC_up_Common	CXorf38	1.41	1.27	Xp11.4	chromosome X open reading frame 38	Hs.495961
233082_at	3hISvsC_up_Common	ZNF182 /// ZNF630	1.95	1.80	Xp11.3-p11.1	zinc finger protein 630	Hs.650883
243201_at	3hISvsC_up_Common	HNRNPH2	1.48	1.33	Xq22	Heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
1555590_a_at	3hISvsC_down_MaleSpecific	GATA1	-1.70	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

1552671_a_at	3hISvsC_down_FemaleSpecific	SLC9A7	NA	-1.27	Xp11.3-p11.23 Xp11.3	solute carrier family 9 (sodium/hydrogen exchanger), member 7	Hs.496057
1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
201540_at	3hISvsC_down_FemaleSpecific	FHL1	NA	-1.35	Xq26	four and a half LIM domains 1	Hs.435369
209167_at	3hISvsC_down_FemaleSpecific	GPM6B	NA	-1.68	Xp22.2	glycoprotein M6B	Hs.495710
213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
214607_at	3hISvsC_down_FemaleSpecific	PAK3	NA	-1.64	Xq23	p21 protein (Cdc42/Rac)-activated kinase 3	Hs.656789
218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
223915_at	3hISvsC_down_FemaleSpecific	BCOR	NA	-1.37	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681
224589_at	3hISvsC_down_FemaleSpecific	XIST	NA	-1.48	Xq13.2	X (inactive)-specific transcript (non-protein coding)	---
225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
229286_at	3hISvsC_down_FemaleSpecific	MAGEE1	NA	-1.55	Xq13.3	melanoma antigen family E, 1	Hs.8453
229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
230224_at	3hISvsC_down_FemaleSpecific	ZCCHC18	NA	-1.54	Xq22.2	zinc finger, CCHC domain containing 18	Hs.648338
235433_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.53	Xq21.1	apolipoprotein O-like	Hs.512181
235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

SUPPLEMENTAL MATERIAL

Supplementary Table 1. Genes differential expressed between 3h ischemic stroke (3hIS) and non-stroke controls (C) ($\alpha \leq 0.05$, fold change $\geq |1.2|$)

Probeset ID	DE list	Gene Symbol	Fold Change		Cytoband	Gene Title	UniGene ID
			IS * Male vs. Control * Male	IS * Female vs. Control * Female			
1553007_a_at	3hISvsC_up_MaleSpecific	ODZ1	1.38	NA	Xq25	odz, odd Oz/ten-m homolog 1(Drosophila)	Hs.23796
1554206_at	3hISvsC_up_MaleSpecific	TMLHE	1.39	NA	Xq28	trimethyllysine hydroxylase, epsilor	Hs.133321
1559510_at	3hISvsC_up_MaleSpecific	BHLHB9	1.51	NA	Xq23	Basic helix-loop-helix domain containing, class B, 9	Hs.4276
201472_at	3hISvsC_up_MaleSpecific	VBP1	1.35	NA	Xq28	von Hippel-Lindau binding protein 1	Hs.436803
202105_at	3hISvsC_up_MaleSpecific	IGBP1	1.23	NA	Xq13.1-q13.3	immunoglobulin (CD79A) binding protein 1	Hs.496267
206696_at	3hISvsC_up_MaleSpecific	GPR143	1.33	NA	Xp22.3	G protein-coupled receptor 143	Hs.74124
209022_at	3hISvsC_up_MaleSpecific	STAG2	1.31	NA	Xq25	stromal antigen 2	Hs.496710
214009_at	3hISvsC_up_MaleSpecific	MSL3L1	1.40	NA	Xp22.3	male-specific lethal 3 homolog (Drosophila)	Hs.655288
214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
219771_at	3hISvsC_up_MaleSpecific	TBC1D8B	1.56	NA	Xq22.3	TBC1 domain family, member 8B (with GRAM domain)	Hs.351798
226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
228968_at	3hISvsC_up_MaleSpecific	ZNF449	1.31	NA	Xq26.3	zinc finger protein 449	Hs.28780
230866_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.39	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
231747_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.23	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
232087_at	3hISvsC_up_MaleSpecific	CXorf23	1.61	NA	Xp22.12	chromosome X open reading frame 23	Hs.28896
232157_at	3hISvsC_up_MaleSpecific	SPRY3	1.45	NA	Xq28 and Yq12	sprouty homolog 3 (Drosophila)	Hs.381912
236165_at	3hISvsC_up_MaleSpecific	MSL3L1	1.48	NA	---	---	---
238053_at	3hISvsC_up_MaleSpecific	DHRX	1.44	NA	Xp22.33; Yp11.2	dehydrogenase/reductase (SDR family) X-linkec	Hs.131452
238989_at	3hISvsC_up_MaleSpecific	C1GALT1C1	1.44	NA	Xq24	C1GALT1-specific chaperone 1	Hs.643920
242931_at	3hISvsC_up_MaleSpecific	LONRF3	1.38	NA	Xq24	LON peptidase N-terminal domain and ring finger 3	Hs.144266
243683_at	3hISvsC_up_MaleSpecific	MORF4L2	1.71	NA	Xq22	Mortality factor 4 like 2	Hs.326387
244470_at	3hISvsC_up_MaleSpecific	RNF12	1.27	NA	Xq13-q21	Ring finger protein, LIM domain interacting	Hs.653288
1552927_at	3hISvsC_up_FemaleSpecific	MAP3K7IP3	NA	1.48	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
1565446_at	3hISvsC_up_FemaleSpecific	HPRT1	NA	1.22	Xq26.1	Hypoxanthine phosphoribosyltransferase 1	Hs.412707
201210_at	3hISvsC_up_FemaleSpecific	DDX3X	NA	1.20	Xp11.3-p11.23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linkec	Hs.380774
201666_at	3hISvsC_up_FemaleSpecific	TIMP1	NA	1.29	Xp11.3-p11.23	TIMP metalloproteinase inhibitor 1	Hs.522632
205645_at	3hISvsC_up_FemaleSpecific	REPS2	NA	1.55	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
229560_at	3hISvsC_up_Common	TLR8	1.30	1.47	Xp22	toll-like receptor 8	Hs.660543
230532_at	3hISvsC_up_Common	CXorf38	1.41	1.27	Xp11.4	chromosome X open reading frame 38	Hs.495961
233082_at	3hISvsC_up_Common	ZNF182 /// ZNF630	1.95	1.80	Xp11.3-p11.1	zinc finger protein 630	Hs.650883
243201_at	3hISvsC_up_Common	HNRNPH2	1.48	1.33	Xq22	Heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
1555590_a_at	3hISvsC_down_MaleSpecific	GATA1	-1.70	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

1552671_a_at	3hISvsC_down_FemaleSpecific	SLC9A7	NA	-1.27	Xp11.3-p11.23 Xp11.3	solute carrier family 9 (sodium/hydrogen exchanger), member 7	Hs.496057
1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
201540_at	3hISvsC_down_FemaleSpecific	FHL1	NA	-1.35	Xq26	four and a half LIM domains 1	Hs.435369
209167_at	3hISvsC_down_FemaleSpecific	GPM6B	NA	-1.68	Xp22.2	glycoprotein M6B	Hs.495710
213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
214607_at	3hISvsC_down_FemaleSpecific	PAK3	NA	-1.64	Xq23	p21 protein (Cdc42/Rac)-activated kinase 3	Hs.656789
218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
223915_at	3hISvsC_down_FemaleSpecific	BCOR	NA	-1.37	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681
224589_at	3hISvsC_down_FemaleSpecific	XIST	NA	-1.48	Xq13.2	X (inactive)-specific transcript (non-protein coding)	---
225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
229286_at	3hISvsC_down_FemaleSpecific	MAGEE1	NA	-1.55	Xq13.3	melanoma antigen family E, 1	Hs.8453
229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
230224_at	3hISvsC_down_FemaleSpecific	ZCCHC18	NA	-1.54	Xq22.2	zinc finger, CCHC domain containing 18	Hs.648338
235433_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.53	Xq21.1	apolipoprotein O-like	Hs.512181
235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

SUPPLEMENTAL MATERIAL

Supplementary Table 1. Genes differential expressed between 3h ischemic stroke (3hIS) and non-stroke controls (C) ($\alpha \leq 0.05$, fold change $\geq |1.2|$)

Probeset ID	DE list	Gene Symbol	Fold Change		Cytoband	Gene Title	UniGene ID
			IS * Male vs. Control * Male	IS * Female vs. Control * Female			
1553007_a_at	3hISvsC_up_MaleSpecific	ODZ1	1.38	NA	Xq25	odz, odd Oz/ten-m homolog 1(Drosophila)	Hs.23796
1554206_at	3hISvsC_up_MaleSpecific	TMLHE	1.39	NA	Xq28	trimethyllysine hydroxylase, epsilor	Hs.133321
1559510_at	3hISvsC_up_MaleSpecific	BHLHB9	1.51	NA	Xq23	Basic helix-loop-helix domain containing, class B, 9	Hs.4276
201472_at	3hISvsC_up_MaleSpecific	VBP1	1.35	NA	Xq28	von Hippel-Lindau binding protein 1	Hs.436803
202105_at	3hISvsC_up_MaleSpecific	IGBP1	1.23	NA	Xq13.1-q13.3	immunoglobulin (CD79A) binding protein 1	Hs.496267
206696_at	3hISvsC_up_MaleSpecific	GPR143	1.33	NA	Xp22.3	G protein-coupled receptor 143	Hs.74124
209022_at	3hISvsC_up_MaleSpecific	STAG2	1.31	NA	Xq25	stromal antigen 2	Hs.496710
214009_at	3hISvsC_up_MaleSpecific	MSL3L1	1.40	NA	Xp22.3	male-specific lethal 3 homolog (Drosophila)	Hs.655288
214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
219771_at	3hISvsC_up_MaleSpecific	TBC1D8B	1.56	NA	Xq22.3	TBC1 domain family, member 8B (with GRAM domain)	Hs.351798
226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
228968_at	3hISvsC_up_MaleSpecific	ZNF449	1.31	NA	Xq26.3	zinc finger protein 449	Hs.28780
230866_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.39	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
231747_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.23	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
232087_at	3hISvsC_up_MaleSpecific	CXorf23	1.61	NA	Xp22.12	chromosome X open reading frame 23	Hs.28896
232157_at	3hISvsC_up_MaleSpecific	SPRY3	1.45	NA	Xq28 and Yq12	sprouty homolog 3 (Drosophila)	Hs.381912
236165_at	3hISvsC_up_MaleSpecific	MSL3L1	1.48	NA	---	---	---
238053_at	3hISvsC_up_MaleSpecific	DHRX	1.44	NA	Xp22.33; Yp11.2	dehydrogenase/reductase (SDR family) X-linkec	Hs.131452
238989_at	3hISvsC_up_MaleSpecific	C1GALT1C1	1.44	NA	Xq24	C1GALT1-specific chaperone 1	Hs.643920
242931_at	3hISvsC_up_MaleSpecific	LONRF3	1.38	NA	Xq24	LON peptidase N-terminal domain and ring finger 3	Hs.144266
243683_at	3hISvsC_up_MaleSpecific	MORF4L2	1.71	NA	Xq22	Mortality factor 4 like 2	Hs.326387
244470_at	3hISvsC_up_MaleSpecific	RNF12	1.27	NA	Xq13-q21	Ring finger protein, LIM domain interacting	Hs.653288
1552927_at	3hISvsC_up_FemaleSpecific	MAP3K7IP3	NA	1.48	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
1565446_at	3hISvsC_up_FemaleSpecific	HPRT1	NA	1.22	Xq26.1	Hypoxanthine phosphoribosyltransferase 1	Hs.412707
201210_at	3hISvsC_up_FemaleSpecific	DDX3X	NA	1.20	Xp11.3-p11.23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linkec	Hs.380774
201666_at	3hISvsC_up_FemaleSpecific	TIMP1	NA	1.29	Xp11.3-p11.23	TIMP metalloproteinase inhibitor 1	Hs.522632
205645_at	3hISvsC_up_FemaleSpecific	REPS2	NA	1.55	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
229560_at	3hISvsC_up_Common	TLR8	1.30	1.47	Xp22	toll-like receptor 8	Hs.660543
230532_at	3hISvsC_up_Common	CXorf38	1.41	1.27	Xp11.4	chromosome X open reading frame 38	Hs.495961
233082_at	3hISvsC_up_Common	ZNF182 /// ZNF630	1.95	1.80	Xp11.3-p11.1	zinc finger protein 630	Hs.650883
243201_at	3hISvsC_up_Common	HNRNPH2	1.48	1.33	Xq22	Heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
1555590_a_at	3hISvsC_down_MaleSpecific	GATA1	-1.70	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

1552671_a_at	3hISvsC_down_FemaleSpecific	SLC9A7	NA	-1.27	Xp11.3-p11.23 Xp11.3	solute carrier family 9 (sodium/hydrogen exchanger), member 7	Hs.496057
1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
201540_at	3hISvsC_down_FemaleSpecific	FHL1	NA	-1.35	Xq26	four and a half LIM domains 1	Hs.435369
209167_at	3hISvsC_down_FemaleSpecific	GPM6B	NA	-1.68	Xp22.2	glycoprotein M6B	Hs.495710
213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
214607_at	3hISvsC_down_FemaleSpecific	PAK3	NA	-1.64	Xq23	p21 protein (Cdc42/Rac)-activated kinase 3	Hs.656789
218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
223915_at	3hISvsC_down_FemaleSpecific	BCOR	NA	-1.37	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681
224589_at	3hISvsC_down_FemaleSpecific	XIST	NA	-1.48	Xq13.2	X (inactive)-specific transcript (non-protein coding)	---
225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
229286_at	3hISvsC_down_FemaleSpecific	MAGEE1	NA	-1.55	Xq13.3	melanoma antigen family E, 1	Hs.8453
229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
230224_at	3hISvsC_down_FemaleSpecific	ZCCHC18	NA	-1.54	Xq22.2	zinc finger, CCHC domain containing 18	Hs.648338
235433_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.53	Xq21.1	apolipoprotein O-like	Hs.512181
235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

SUPPLEMENTAL MATERIAL

Supplementary Table 1. Genes differential expressed between 3h ischemic stroke (3hIS) and non-stroke controls (C) ($\alpha \leq 0.05$, fold change $\geq |1.2|$)

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1553007_a_at	3hISvsC_up_MaleSpecific	ODZ1	1.38	NA	Xq25	odz, odd Oz/ten-m homolog 1(Drosophila)	Hs.23796
1554206_at	3hISvsC_up_MaleSpecific	TMLHE	1.39	NA	Xq28	trimethyllysine hydroxylase, epsilor	Hs.133321
1559510_at	3hISvsC_up_MaleSpecific	BHLHB9	1.51	NA	Xq23	Basic helix-loop-helix domain containing, class B, 9	Hs.4276
201472_at	3hISvsC_up_MaleSpecific	VBP1	1.35	NA	Xq28	von Hippel-Lindau binding protein 1	Hs.436803
202105_at	3hISvsC_up_MaleSpecific	IGBP1	1.23	NA	Xq13.1-q13.3	immunoglobulin (CD79A) binding protein 1	Hs.496267
206696_at	3hISvsC_up_MaleSpecific	GPR143	1.33	NA	Xp22.3	G protein-coupled receptor 143	Hs.74124
209022_at	3hISvsC_up_MaleSpecific	STAG2	1.31	NA	Xq25	stromal antigen 2	Hs.496710
214009_at	3hISvsC_up_MaleSpecific	MSL3L1	1.40	NA	Xp22.3	male-specific lethal 3 homolog (Drosophila)	Hs.655288
214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
219771_at	3hISvsC_up_MaleSpecific	TBC1D8B	1.56	NA	Xq22.3	TBC1 domain family, member 8B (with GRAM domain)	Hs.351798
226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
228968_at	3hISvsC_up_MaleSpecific	ZNF449	1.31	NA	Xq26.3	zinc finger protein 449	Hs.28780
230866_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.39	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
231747_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.23	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
232087_at	3hISvsC_up_MaleSpecific	CXorf23	1.61	NA	Xp22.12	chromosome X open reading frame 23	Hs.28896
232157_at	3hISvsC_up_MaleSpecific	SPRY3	1.45	NA	Xq28 and Yq12	sprouty homolog 3 (Drosophila)	Hs.381912
236165_at	3hISvsC_up_MaleSpecific	MSL3L1	1.48	NA	---	---	---
238053_at	3hISvsC_up_MaleSpecific	DHRX	1.44	NA	Xp22.33; Yp11.2	dehydrogenase/reductase (SDR family) X-linkec	Hs.131452
238989_at	3hISvsC_up_MaleSpecific	C1GALT1C1	1.44	NA	Xq24	C1GALT1-specific chaperone 1	Hs.643920
242931_at	3hISvsC_up_MaleSpecific	LONRF3	1.38	NA	Xq24	LON peptidase N-terminal domain and ring finger 3	Hs.144266
243683_at	3hISvsC_up_MaleSpecific	MORF4L2	1.71	NA	Xq22	Mortality factor 4 like 2	Hs.326387
244470_at	3hISvsC_up_MaleSpecific	RNF12	1.27	NA	Xq13-q21	Ring finger protein, LIM domain interacting	Hs.653288
1552927_at	3hISvsC_up_FemaleSpecific	MAP3K7IP3	NA	1.48	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
1565446_at	3hISvsC_up_FemaleSpecific	HPRT1	NA	1.22	Xq26.1	Hypoxanthine phosphoribosyltransferase 1	Hs.412707
201210_at	3hISvsC_up_FemaleSpecific	DDX3X	NA	1.20	Xp11.3-p11.23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linkec	Hs.380774
201666_at	3hISvsC_up_FemaleSpecific	TIMP1	NA	1.29	Xp11.3-p11.23	TIMP metalloproteinase inhibitor 1	Hs.522632
205645_at	3hISvsC_up_FemaleSpecific	REPS2	NA	1.55	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
229560_at	3hISvsC_up_Common	TLR8	1.30	1.47	Xp22	toll-like receptor 8	Hs.660543
230532_at	3hISvsC_up_Common	CXorf38	1.41	1.27	Xp11.4	chromosome X open reading frame 38	Hs.495961
233082_at	3hISvsC_up_Common	ZNF182 /// ZNF630	1.95	1.80	Xp11.3-p11.1	zinc finger protein 630	Hs.650883
243201_at	3hISvsC_up_Common	HNRNPH2	1.48	1.33	Xq22	Heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
1555590_a_at	3hISvsC_down_MaleSpecific	GATA1	-1.70	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

1552671_a_at	3hISvsC_down_FemaleSpecific	SLC9A7	NA	-1.27	Xp11.3-p11.23 Xp11.3	solute carrier family 9 (sodium/hydrogen exchanger), member 7	Hs.496057
1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
201540_at	3hISvsC_down_FemaleSpecific	FHL1	NA	-1.35	Xq26	four and a half LIM domains 1	Hs.435369
209167_at	3hISvsC_down_FemaleSpecific	GPM6B	NA	-1.68	Xp22.2	glycoprotein M6B	Hs.495710
213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
214607_at	3hISvsC_down_FemaleSpecific	PAK3	NA	-1.64	Xq23	p21 protein (Cdc42/Rac)-activated kinase 3	Hs.656789
218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
223915_at	3hISvsC_down_FemaleSpecific	BCOR	NA	-1.37	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681
224589_at	3hISvsC_down_FemaleSpecific	XIST	NA	-1.48	Xq13.2	X (inactive)-specific transcript (non-protein coding)	---
225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
229286_at	3hISvsC_down_FemaleSpecific	MAGEE1	NA	-1.55	Xq13.3	melanoma antigen family E, 1	Hs.8453
229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
230224_at	3hISvsC_down_FemaleSpecific	ZCCHC18	NA	-1.54	Xq22.2	zinc finger, CCHC domain containing 18	Hs.648338
235433_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.53	Xq21.1	apolipoprotein O-like	Hs.512181
235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

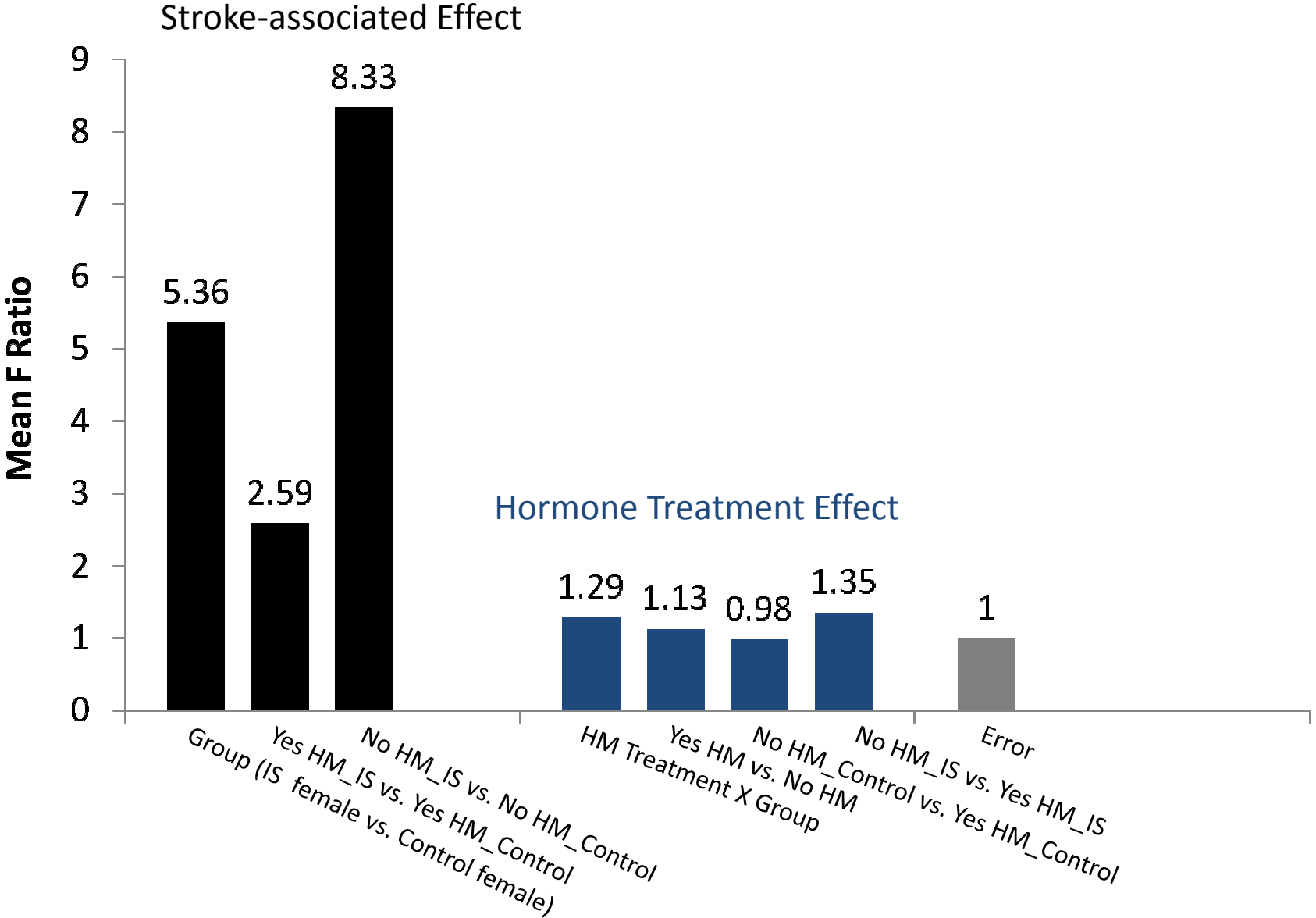
SUPPLEMENTAL MATERIAL

Supplementary Table 1. Genes differential expressed between 3h ischemic stroke (3hIS) and non-stroke controls (C) ($\alpha \leq 0.05$, fold change $\geq |1.2|$)

Probeset ID	DE list	Gene Symbol	Fold Change		Cytoband	Gene Title	UniGene ID
			IS * Male vs. Control * Male	IS * Female vs. Control * Female			
1553007_a_at	3hISvsC_up_MaleSpecific	ODZ1	1.38	NA	Xq25	odz, odd Oz/ten-m homolog 1(Drosophila)	Hs.23796
1554206_at	3hISvsC_up_MaleSpecific	TMLHE	1.39	NA	Xq28	trimethyllysine hydroxylase, epsilor	Hs.133321
1559510_at	3hISvsC_up_MaleSpecific	BHLHB9	1.51	NA	Xq23	Basic helix-loop-helix domain containing, class B, 9	Hs.4276
201472_at	3hISvsC_up_MaleSpecific	VBP1	1.35	NA	Xq28	von Hippel-Lindau binding protein 1	Hs.436803
202105_at	3hISvsC_up_MaleSpecific	IGBP1	1.23	NA	Xq13.1-q13.3	immunoglobulin (CD79A) binding protein 1	Hs.496267
206696_at	3hISvsC_up_MaleSpecific	GPR143	1.33	NA	Xp22.3	G protein-coupled receptor 143	Hs.74124
209022_at	3hISvsC_up_MaleSpecific	STAG2	1.31	NA	Xq25	stromal antigen 2	Hs.496710
214009_at	3hISvsC_up_MaleSpecific	MSL3L1	1.40	NA	Xp22.3	male-specific lethal 3 homolog (Drosophila)	Hs.655288
214681_at	3hISvsC_up_MaleSpecific	GK	1.51	NA	Xp21.3	glycerol kinase	Hs.1466
219771_at	3hISvsC_up_MaleSpecific	TBC1D8B	1.56	NA	Xq22.3	TBC1 domain family, member 8B (with GRAM domain)	Hs.351798
226335_at	3hISvsC_up_MaleSpecific	RPS6KA3	1.28	NA	Xp22.2-p22.1	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Hs.445387
228968_at	3hISvsC_up_MaleSpecific	ZNF449	1.31	NA	Xq26.3	zinc finger protein 449	Hs.28780
230866_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.39	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
231747_at	3hISvsC_up_MaleSpecific	CYSLTR1	1.23	NA	Xq13.2-q21.1	cysteinyl leukotriene receptor 1	Hs.201300
232087_at	3hISvsC_up_MaleSpecific	CXorf23	1.61	NA	Xp22.12	chromosome X open reading frame 23	Hs.28896
232157_at	3hISvsC_up_MaleSpecific	SPRY3	1.45	NA	Xq28 and Yq12	sprouty homolog 3 (Drosophila)	Hs.381912
236165_at	3hISvsC_up_MaleSpecific	MSL3L1	1.48	NA	---	---	---
238053_at	3hISvsC_up_MaleSpecific	DHRX	1.44	NA	Xp22.33; Yp11.2	dehydrogenase/reductase (SDR family) X-linkec	Hs.131452
238989_at	3hISvsC_up_MaleSpecific	C1GALT1C1	1.44	NA	Xq24	C1GALT1-specific chaperone 1	Hs.643920
242931_at	3hISvsC_up_MaleSpecific	LONRF3	1.38	NA	Xq24	LON peptidase N-terminal domain and ring finger 3	Hs.144266
243683_at	3hISvsC_up_MaleSpecific	MORF4L2	1.71	NA	Xq22	Mortality factor 4 like 2	Hs.326387
244470_at	3hISvsC_up_MaleSpecific	RNF12	1.27	NA	Xq13-q21	Ring finger protein, LIM domain interacting	Hs.653288
1552927_at	3hISvsC_up_FemaleSpecific	MAP3K7IP3	NA	1.48	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
1557726_at	3hISvsC_up_FemaleSpecific	ARMCX4	NA	1.21	Xq22.1	armadillo repeat containing, X-linked 4	Hs.9728
1557880_at	3hISvsC_up_FemaleSpecific	PCDH11X /// PCDH11Y	NA	1.33	Xq21.3 /// Yp11.2	protocadherin 11 X-linked /// protocadherin 11 Y-linkec	Hs.661308
1562805_at	3hISvsC_up_FemaleSpecific	LOC349408	NA	1.43	Xp22.31	hypothetical LOC349408	Hs.685035
1565446_at	3hISvsC_up_FemaleSpecific	HPRT1	NA	1.22	Xq26.1	Hypoxanthine phosphoribosyltransferase 1	Hs.412707
201210_at	3hISvsC_up_FemaleSpecific	DDX3X	NA	1.20	Xp11.3-p11.23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linkec	Hs.380774
201666_at	3hISvsC_up_FemaleSpecific	TIMP1	NA	1.29	Xp11.3-p11.23	TIMP metalloproteinase inhibitor 1	Hs.522632
205645_at	3hISvsC_up_FemaleSpecific	REPS2	NA	1.55	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
206002_at	3hISvsC_up_FemaleSpecific	GPR64	NA	1.31	Xp22.13	G protein-coupled receptor 64	Hs.146978
210274_at	3hISvsC_up_FemaleSpecific	MAGEA8	NA	1.22	Xq28	melanoma antigen family A, 8	Hs.522803
212340_at	3hISvsC_up_FemaleSpecific	YIPF6	NA	1.45	Xq12	Yip1 domain family, member 6	Hs.82719
212457_at	3hISvsC_up_FemaleSpecific	TFE3	NA	1.22	Xp11.22	transcription factor binding to IGHM enhancer 3	Hs.274184
212741_at	3hISvsC_up_FemaleSpecific	MAOA	NA	2.67	Xp11.3	monoamine oxidase A	Hs.183109
216722_at	3hISvsC_up_FemaleSpecific	VENTXP1	NA	1.21	Xp21.3	VENT homeobox (Xenopus laevis) pseudogene 1	Hs.447377
230030_at	3hISvsC_up_FemaleSpecific	HS6ST2	NA	1.28	Xq26.2	heparan sulfate 6-O-sulfotransferase 2	Hs.385956
244825_at	3hISvsC_up_FemaleSpecific	SHROOM4	NA	1.59	Xp11.22	shroom family member 4	Hs.420541
200737_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	phosphoglycerate kinase 1	Hs.78771
200821_at	3hISvsC_up_Common	LAMP2	1.33	1.37	Xq24	lysosomal-associated membrane protein 2	Hs.496684
201099_at	3hISvsC_up_Common	USP9X	1.34	1.29	Xp11.4	ubiquitin specific peptidase 9, X-linkec	Hs.77578
201132_at	3hISvsC_up_Common	HNRNPH2	1.34	1.41	Xq22	heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
201136_at	3hISvsC_up_Common	PLP2	1.32	1.34	Xp11.23	proteolipid protein 2 (colonic epithelium-enriched)	Hs.77422
201406_at	3hISvsC_up_Common	RPL36A	1.74	1.69	Xq22.1	ribosomal protein L36a	Hs.432485
202110_at	3hISvsC_up_Common	COX7B	1.79	1.81	Xq21.1	cytochrome c oxidase subunit VIIb	Hs.522699
202298_at	3hISvsC_up_Common	NDUFA1	1.42	1.31	Xq24	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Hs.534168
203042_at	3hISvsC_up_Common	LAMP2	1.30	1.39	Xq24	lysosomal-associated membrane protein 2	Hs.496684
206464_at	3hISvsC_up_Common	BMX	2.42	3.40	Xp22.2	BMX non-receptor tyrosine kinase	Hs.495731
217383_at	3hISvsC_up_Common	PGK1	1.28	1.34	Xq13	Phosphoglycerate kinase 1	Hs.78771
218163_at	3hISvsC_up_Common	MCTS1	1.33	1.27	Xq22-q24	malignant T cell amplified sequence 1	Hs.102696
219283_at	3hISvsC_up_Common	C1GALT1C1	1.44	1.38	Xq24	C1GALT1-specific chaperone 1	Hs.643920
220832_at	3hISvsC_up_Common	TLR8	1.32	1.34	Xp22	toll-like receptor 8	Hs.660543
221895_at	3hISvsC_up_Common	MOSPD2	1.32	1.31	Xp22.2	motile sperm domain containing 2	Hs.190043
222815_at	3hISvsC_up_Common	RNF12	1.31	1.33	Xq13-q21	ring finger protein, LIM domain interacting	Hs.653288
223439_at	3hISvsC_up_Common	NKAP	1.27	1.25	Xq24	NFKB activating protein	Hs.522771
225154_at	3hISvsC_up_Common	SYAP1	1.32	1.39	Xp22.2	synapse associated protein 1, SAP47 homolog (Drosophila)	Hs.489336
226671_at	3hISvsC_up_Common	LAMP2	1.60	1.57	Xq24	lysosomal-associated membrane protein 2	Hs.496684
226875_at	3hISvsC_up_Common	DOCK11	1.26	1.25	Xq24	dedicator of cytokinesis 11	Hs.368203
227357_at	3hISvsC_up_Common	MAP3K7IP3	1.43	1.34	Xp21.2	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Hs.188256
227425_at	3hISvsC_up_Common	REPS2	1.73	1.77	Xp22.2-p22.13	RALBP1 associated Eps domain containing 2	Hs.186810
229560_at	3hISvsC_up_Common	TLR8	1.30	1.47	Xp22	toll-like receptor 8	Hs.660543
230532_at	3hISvsC_up_Common	CXorf38	1.41	1.27	Xp11.4	chromosome X open reading frame 38	Hs.495961
233082_at	3hISvsC_up_Common	ZNF182 /// ZNF630	1.95	1.80	Xp11.3-p11.1	zinc finger protein 630	Hs.650883
243201_at	3hISvsC_up_Common	HNRNPH2	1.48	1.33	Xq22	Heterogeneous nuclear ribonucleoprotein H2 (H ²)	Hs.632828
64883_at	3hISvsC_up_Common	MOSPD2	1.46	1.40	Xp22.2	motile sperm domain containing 2	Hs.190043
1555590_a_at	3hISvsC_down_MaleSpecific	GATA1	-1.70	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
202219_at	3hISvsC_down_MaleSpecific	SLC6A8	-1.82	NA	Xq28	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	Hs.540696
202711_at	3hISvsC_down_MaleSpecific	EFNB1	-1.25	NA	Xq12	ephrin-B1	Hs.144700
206868_at	3hISvsC_down_MaleSpecific	STARDB8	-1.20	NA	Xq13.1	STAR-related lipid transfer (START) domain containing 8	Hs.95140
210446_at	3hISvsC_down_MaleSpecific	GATA1	-1.52	NA	Xp11.23	GATA binding protein 1 (globin transcription factor 1)	Hs.765
219814_at	3hISvsC_down_MaleSpecific	MBNL3	-1.54	NA	Xq26.2	muscleblind-like 3 (Drosophila)	Hs.105134

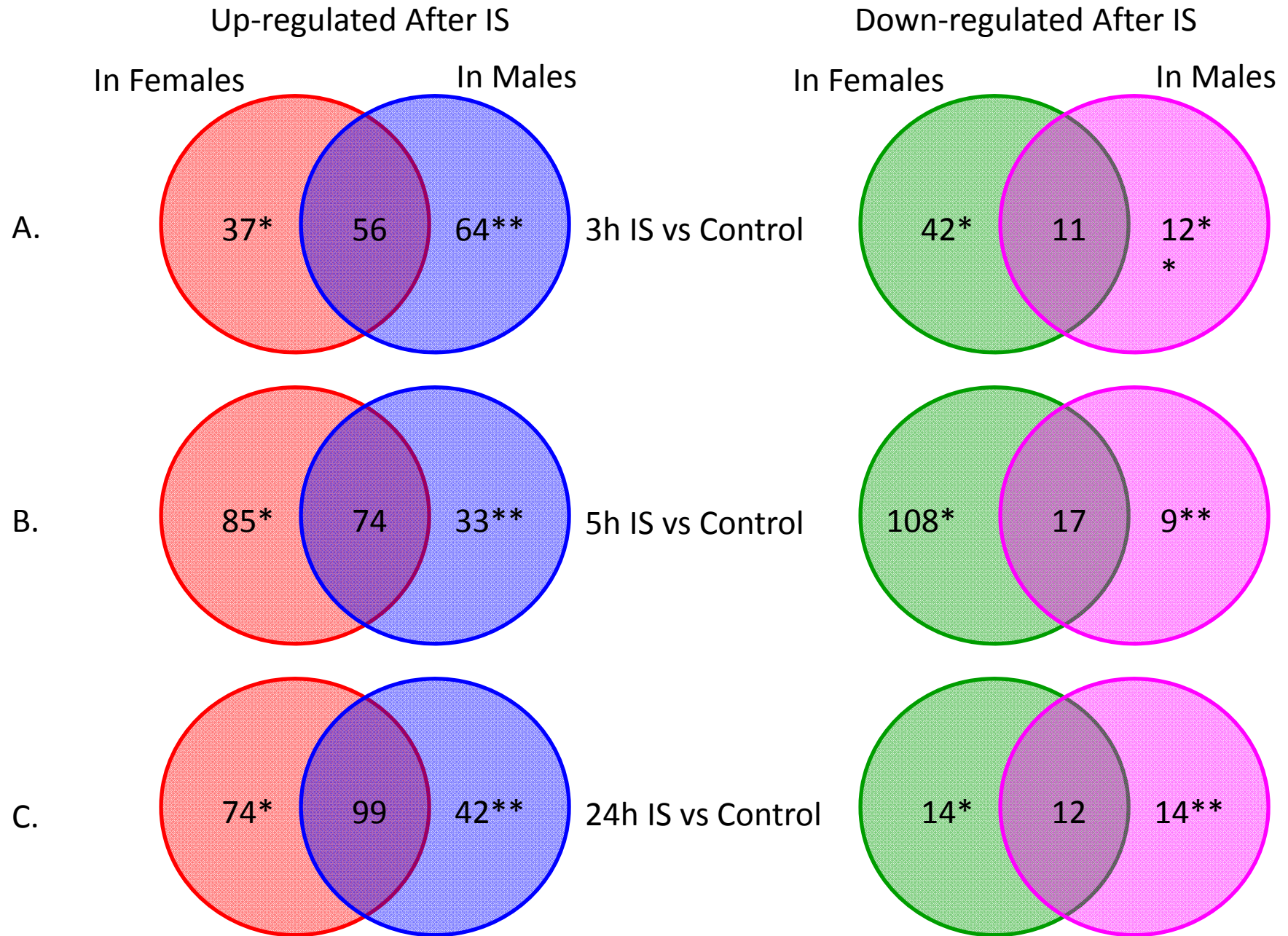
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1552882_a_at	3hISvsC_down_FemaleSpecific	FAM123B	NA	-1.50	Xq11.2	family with sequence similarity 123E	Hs.314225
1553998_at	3hISvsC_down_FemaleSpecific	DMRTC1 /// LOC728656	NA	-1.75	Xq13.2	DMRT-like family C1 /// DMRT-like family C1E	Hs.712728
1555882_at	3hISvsC_down_FemaleSpecific	SPIN3	NA	-1.40	Xp11.21	spindlin family, member 3	Hs.522672
1561660_at	3hISvsC_down_FemaleSpecific	MCART6	NA	-1.96	Xq22.2	mitochondrial carrier triple repeat 6	Hs.660022
201540_at	3hISvsC_down_FemaleSpecific	FHL1	NA	-1.35	Xq26	four and a half LIM domains 1	Hs.435369
209167_at	3hISvsC_down_FemaleSpecific	GPM6B	NA	-1.68	Xp22.2	glycoprotein M6B	Hs.495710
213289_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.58	Xq21.1	Apolipoprotein O-like	Hs.512181
214607_at	3hISvsC_down_FemaleSpecific	PAK3	NA	-1.64	Xq23	p21 protein (Cdc42/Rac)-activated kinase 3	Hs.656789
218012_at	3hISvsC_down_FemaleSpecific	TSPYL2	NA	-1.29	Xp11.2	TSPY-like 2	Hs.136164
223915_at	3hISvsC_down_FemaleSpecific	BCOR	NA	-1.37	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681
224589_at	3hISvsC_down_FemaleSpecific	XIST	NA	-1.48	Xq13.2	X (inactive)-specific transcript (non-protein coding)	---
225028_at	3hISvsC_down_FemaleSpecific	LOC550643	NA	-1.50	Xp11.1	hypothetical LOC550643	Hs.355559
225382_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.23	Xq28	zinc finger protein 275	Hs.348963
225383_at	3hISvsC_down_FemaleSpecific	ZNF275	NA	-1.43	Xq28	zinc finger protein 275	Hs.348963
228005_at	3hISvsC_down_FemaleSpecific	ZXDB	NA	-1.44	Xp11.21	zinc finger, X-linked, duplicated B	Hs.156257
229234_at	3hISvsC_down_FemaleSpecific	ZC3H12B	NA	-1.46	Xq12	zinc finger CCCH-type containing 12B	Hs.21249
229286_at	3hISvsC_down_FemaleSpecific	MAGEE1	NA	-1.55	Xq13.3	melanoma antigen family E, 1	Hs.8453
229365_at	3hISvsC_down_FemaleSpecific	PPP1R3F	NA	-1.34	Xp11.23	similar to protein phosphatase 1, regulatory (inhibitor) subunit 3F /// protein phosph	Hs.433652
230224_at	3hISvsC_down_FemaleSpecific	ZCCHC18	NA	-1.54	Xq22.2	zinc finger, CCHC domain containing 18	Hs.648338
235433_at	3hISvsC_down_FemaleSpecific	APOOL	NA	-1.53	Xq21.1	apolipoprotein O-like	Hs.512181
235520_at	3hISvsC_down_FemaleSpecific	ZNF280C	NA	-1.51	Xq26.1	zinc finger protein 280C	Hs.308418
236294_at	3hISvsC_down_FemaleSpecific	HUWE1	NA	-1.29	Xp11.22	HECT, UBA and WWE domain containing 1	Hs.136905
239034_at	3hISvsC_down_FemaleSpecific	CXorf24	NA	-1.33	Xp11.23	chromosome X open reading frame 24	Hs.597617
243764_at	3hISvsC_down_FemaleSpecific	VSIG1	NA	-1.62	Xq22.3	V-set and immunoglobulin domain containing 1	Hs.177164
32042_at	3hISvsC_down_FemaleSpecific	ENOX2	NA	-1.24	Xq25-q26.2	ecto-NOX disulfide-thiol exchanger 2	Hs.171458
204459_at	3hISvsC_down_Common	CSTF2	-1.25	-1.26	Xq22.1	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Hs.132370
207681_at	3hISvsC_down_Common	CXCR3	-1.45	-1.42	Xq13	chemokine (C-X-C motif) receptor 3	Hs.198252
208723_at	3hISvsC_down_Common	USP11	-1.29	-1.30	Xp11.23	ubiquitin specific peptidase 11	Hs.171501
209014_at	3hISvsC_down_Common	MAGED1	-1.31	-1.28	Xp11.23	melanoma antigen family D, 1	Hs.5258
219433_at	3hISvsC_down_Common	BCOR	-1.28	-1.46	Xp21.2-p11.4	BCL6 co-repressor	Hs.659681

Supplementary Figure 1



Supplementary Figure 1. Sources of variation on gene expression. Sub-analysis on 26 ischemic stroke (IS) females and 34 control females. Factors in black represent large Group (Stroke-associated) effects independent of hormone medication (HM) status. Factors in blue represent small effects of hormone medication on gene expression. Gray bar - residual error; set to 1.

Supplementary Figure 2



Supplementary Figure 2. Sub-analysis of matched sets of IS and Control males and females. Numbers of probe sets (to specific genes) on the X-chromosome regulated at 3, 5 and 24 h after ischemic stroke (IS). * Female-specific stroke genes. ** Male-specific stroke genes. For these analyses IS females were compared to control females; and IS males were compared to control males. No gene was expressed in opposite directions in males and females. Red = up regulated in females. Blue = up regulated in males. Green = down regulated in females. Pink = down regulated in males.