

**Table S1. Array clones upregulated and downregulated by *Gata5***

Clone ID	Fold change	Sequence ID*
<b>Array clones upregulated by <i>Gata5</i></b>		
S10-8-G5	6.80	Holocytochrome c synthase
S10-10-C11	5.45	xEST similar to Fe-S binding domain containing protein [BC089254]
S10-8-E3	5.00	Pecanex homolog
S10-8-G6	4.65	Histone-binding protein N1/N2 [P06180]
S10-10-B11 <sup>††</sup>	4.58	Frizzled7
S10-55-F7	4.57	xEST similar to acyl-CoA synthetase [Homo S; BC043850]
S10-57-G4	4.39	xEST similar to cathepsin [Rat N.]
S10-40-D8	4.20	Glutamine synthetase
S10-55-H4	4.14	xEST similar to histone H3-lysine 4-specific methyltransferase [Homo S.; NM_001032339]
S10-55-G4	4.12	xEST tailbud [BJ086227]
S10-7-B10	4.08	Cytochrome c oxydase
S10-57-G12	4.07	xEST [BP707638]
S10-24-B9	4.05	Glycogenin 1
S10-8-G4	4.01	Akt2
S10-8-G7	3.92	xEST gastrula st. [BG410203 ]
S10-8-E4	3.90	xEST similar to Rab6-interacting protein 2 [BC068939]
S10-57-H9	3.78	Coco
S10-59-B1	3.73	Xenopus laevis hypothetical protein LOC398481 [BC042237]
S10-36-E9 <sup>†</sup>	3.71	Keratin 18
S10-10-D11	3.66	xEST similar to solute carrier family 25 protein [BC082409 ]
S10-45-D5 <sup>†</sup>	3.65	X. laevis dsRNA-binding protein 4F.1 [XLU07155]
S10-12-G3	3.60	Nuclear RNase helicase [BC106294]
S10-57-H3	3.58	Nuclease sensitive element-binding protein 1 [AF550003]
S10-56-C11	3.55	Ribosomal protein L3
S10-10-B12 <sup>†</sup>	3.53	xEST similar to Ring finger protein 128/E3 ubiquitin ligase [AY112655]
S10-57-H4	3.50	xEST
S10-10-C1	3.48	NADH dehydrogenase
S10-8-C11	3.43	xEST similar to hypothetical protein KIAA0592 [BG410148]
S10-55-F4	3.43	dUTP pyrophosphatase
S10-10-G3	3.43	PolyA polymerase type 2
S10-57-B3	3.42	Hypothetical protein inositol monophosphatase family [BC068839]
S10-10-A6	3.40	xEST similar to Xenopus laevis osteocalcin gene
S10-57-G3	3.38	K <sup>+</sup> channel beta 2 subunit
S10-55-F2	3.38	Flice-like inhibitory protein [AY519261]
S10-13-D2	3.34	xEST [Rattus N. pancreatic islet; BP480872]
S10-8-B11	3.33	Syntaxin 6
S10-5-A1	3.29	ODC
S10-8-B10 <sup>†</sup>	3.25	Zn finger protein XFDL 141 [XLU65897]
S10-10-C8	3.24	xEST similar to Catalase [BI938710]
S10-4-B8	3.22	Heat shock 90kDa protein beta
S10-7-G4 <sup>†</sup>	3.15	Targeting protein for Xklp2 or Hepatocellular carcinoma-associated antigen 519 [AF244546]
S10-57-F4 <sup>†</sup>	3.08	SMARCE1 (SWI/SNF related, matrix associated, actin dependent regulator of chromatin) [BC041216]
S10-8-D12	3.06	xEST similar to hypothetical protein [BC059331]
S10-8-A9	3.04	Lactate dehydrogenase-B (LDH-B)
S10-8-D4	3.03	xEST similar to origin recognition complex, subunit 6 [BC077746]
S10-8-H6	3.01	xEST similar to Rab5 exchange factor [Mus musculus; BG410214]
S10-8-C8	3.00	xEST similar to KIAA0092 [Homo S.; BG410156]
S10-57-H10	2.99	Cytosolic nonspecific dipeptidase [BC056069]
S10-8-H7	2.95	xEST [BG410215]
S10-8-C10	2.95	Delta-tubulin
S10-5-C8	2.93	Cyclin A2
S10-7-C5	2.88	Hepatoma Derived Growth Factor [BG410058]
S10-4-B9	2.82	xEST [Q9925510]
S10-7-G8	2.80	xEST similar to Euchromatic histone lysine N-methyltransferase 2 (G9A) [Mus musculus]
S10-7-H8 <sup>†</sup>	2.77	Methionyl aminopeptidase 1 (metap1) [BC046685]
S10-52-F7 <sup>†</sup>	2.77	Cyclophilin A [AF549946]
S10-33-B9	2.74	xEST similar to HpaII tiny fragments locus 9c [DR716804]
S10-8-D11	2.71	xEST similar to CDC42 binding protein kinase beta [BC088807]
S10-27-C7 <sup>††</sup>	2.71	Frizzled7

S10-24-C8	2.66	xEST similar to Ring finger and WD repeat domain 2 [X. tropicalis; NM_001016199]
S10-7-H7	2.59	xEST similar to Zinc finger protein 84 (Zinc finger protein HPF2) [Homo S.; BG410119]
S10-7-F4	2.59	xEST similar to Human paraneoplastic cerebellar degeneration-associated antigen [BC080065]
S10-8-G3	2.57	xEST similar to Transmembrane protein 59 precursor (Liver membrane-bound protein) [BC084373]
S10-7-H11	2.57	xEST similar to Xenopus hypothetical protein LOC495203 [BC084439]
S10-7-G10	2.51	xEST similar to human Solute carrier family 6 [BC068835]
S10-45-D3 <sup>ts</sup>	2.49	Interleukin enhancer binding factor 2 [AF549922]
S10-57-D8 <sup>†</sup>	2.47	xFRS2 [AB064525]
S10-8-G11	2.46	Fatso [BC079990]
S10-8-B5	2.44	xESTsimilar to NP_976046.1 F-box protein 33 [Homo sapiens]
S10-7-H3	2.44	xEST similar to leucine zipper-EF-hand containing transmembrane protein 2 [Homo S.; BG410115]
S10-8-C3	2.43	xEST similar MBIP protein [Homo sapiens]
S10-8-E5	2.41	xEST similar rho GDP-dissociation inhibitor alpha [BC073126]
S10-7-C7	2.41	BMP7
S10-8-C4	2.37	xEST [BG410152]
S10-7-A6	2.36	xEST similar to protein tyrosine kinase 9 related protein [Mus musculus; BC082477]
S10-7-A1	2.35	Glycerol kinase [BC056091]
S10-8-D5	2.33	SMARCB1/SNF5 homolog INI1 [BC072865]
S10-7-B7	2.33	xEST similar to 3'UTR of hypothetical protein [BC094159]
S10-7-B8	2.29	Breast cancer metastasis-suppressor 1-like [BC077352]
S10-10-B3 <sup>†</sup>	2.23	Double-stranded RNA-binding zinc finger protein JAZ [BC041713]
S10-8-E8	2.22	xEST similar to autoantigen [BC044263]
S10-27-B7 <sup>‡</sup>	2.22	Keratin 18 [BC054993]
S10-24-B8 <sup>†</sup>	2.22	Phosphorylase phosphatase [BC070965]
S10-8-D2	2.17	Adp-ribosylation factor 6 [BC044124]
S10-8-H5 <sup>†</sup>	2.15	Ras-GTPase-activating protein SH3-domain-binding protein (g3bp) [BC045051]
S10-8-B12	2.15	Transcriptional repressor protein YY1 [BC079731]
S10-7-B5	2.15	xEST similar hypothetical protein BC013949 [Homo sapiens]
S10-24-F3	2.14	Cytoskeletal actin type-8
S10-8-B6	2.13	xEST similar to Translation initiation factor 4E
S10-7-F6	2.13	Calumenin
S10-57-G10 <sup>†</sup>	2.13	TAB 3 [AF549911]
S10-8-C7	2.12	LUC7-like [BC043766]
S10-7-G5	2.09	xEST similar to Ring finger protein 41 [Homo S; BC084252]
S10-45-H5 <sup>†</sup>	2.09	Prothymosin [AF549891]
S10-8-E6	2.08	xEST [BG410178]
S10-8-C5	2.07	xEST similar to UDP-glucose-glycoprotein glucosyltransferase [BG410153]
S10-8-A10	2.07	xEST gastrula st. [BG410123]
S10-55-F11	2.04	Syndecan 2 [AF549999]
S10-7-G9	2.03	xEST similar to hypothetical protein [BG410109]
S10-6-B7 <sup>‡</sup>	2.03	xEST similar to Syntaxin-11 [BC068820]
S10-8-B1	2.02	TGFB-induced factor 2 [BC081037]
S10-55-B7 <sup>‡</sup>	2.02	Syntaxin-11

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**Array clones downregulated by Gata5**

S10-45-H6	-6.51	Ribosomal protein L23a [Homo S.]
S10-6-B4	-4.87	xEST gastrula st. [BG409949]
S10-10-G9	-3.52	Splicing factor arg/ser-rich3 (SFRS3; Homo S.)
S10-58-H12	-3.43	xEST similar to X.laevis XFG 5-1 and XFG 5-2 genes for zinc finger proteins [X71067]
S10-23-H11	-3.12	xEST similar to Essential meiotic endonuclease 1 homolog 1 [NP_808420.1; Mus musculus]
S10-39-H12	-2.85	xEST similar to Mitotic control protein dis3 homolog [Homo S.]
S10-10-E9	-2.69	ATP synthase
S10-10-H9	-2.63	xPbx1b
S10-38-B4	-2.61	Tumor associated Ca-signal transducer I
S10-39-A3	-2.59	xEST similar to Na-channel beta1 subunit [Rabbit]
S10-38-A4	-2.58	CyclinB2
S10-33-F8	-2.54	xEST similar to methyltransferase 24 (3D495) [Gallus gallus]
S10-38-C8	-2.49	Claudin 7L1
S10-47-B7	-2.46	Ribosomal protein S3a
S10-50-H7	-2.45	Map Kinase-interacting Kinase
S10-2-A9	-2.42	Myotubularin 1
S10-51-B9	-2.40	xEST [BP679241]
S10-51-A12	-2.40	HnRNP-E2 protein

S10-6-D8	-2.39	xEST gastrula st.
S10-28-H5	-2.39	xEST [BU912627]
S10-27-H12	-2.38	xEST <i>Xenopus laevis</i> hypothetical LOC496000 [BC087390]
S10-54-E9	-2.34	Uroplakin III
S10-34-H10	-2.28	<i>Xenopus laevis</i> hypothetical protein similar to 6-phosphofructo-2-kinase/fructose-2,6-biphosphate2
S10-21-D4	-2.27	xEST similar to MFA1-chick
S10-25-H7	-2.26	xEST [BM192054 ]
S10-33-H4	-2.26	xEST similar to PDZ and LIM domain 1 (elfin) [BC041514]
S10-58-B3	-2.25	xEST similar to human Neural Wiskott-Aldrich syndrome protein (N-WASP) [BU905954 ]
S10-43-E12	-2.25	Ribosomal protein S1a
S10-21-E4	-2.23	xEST similar to human hypothetical protein KIAA0182 [BJ060192 ]
S10-21-G6	-2.21	Dihydrolipoamide acetyltransferase precursor
S10-51-E4	-2.19	xEST similar to <i>Xenopus tropicalis</i> hypothetical LOC493200 [BC080499]
S10-39-F5	-2.19	xEST weakly similar to nucleolar protein 7, 27 kDa [NP_057251.2; Homo sapiens]
S10-47-F8	-2.17	Ubiquitin C
S10-23-D4	-2.17	Kinesin-like protein (xklp3A gene)
S10-56-C5	-2.16	xEST similar to human small nuclear RNA-activating protein 43 [BJ629672]
S10-62-G7	-2.16	xEST similar to <i>Xenopus laevis</i> hypothetical LOC495481 [BC085065]
S10-54-G3	-2.14	Nuclear RNA helicase, DECD variant of DEAD box
S10-6-H2	-2.14	xEST similar to hypothetical human protein FLJ10900
S10-39-C3	-2.14	<i>Xenopus laevis</i> similar to ubiquinol-cytochrome c reductase core protein 1
S10-19-H4	-2.13	Cold inducible RNA-binding protein
S10-54-F3	-2.10	HMG-14
S10-7-H2	-2.10	xEST gastrula st. [BG410114]

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The closest homologs of these clones are listed.

\*Genes described as modulated by Mixer and/or Sox17beta by Dickinson et al. (Dickinson et al., 2006).

\*Genes that were identified several times in the microarray hybridizations.

§(Spagnoli and Brivanlou, 2006).

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