

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

Sinus Rhythm Tissues

Column ID	Entrez Gene	Gene Symbol	Gene Title	RefSeq Transcript ID	p-value(Left Atrium vs. Right Atrium)	stepup(p-value(Left Atrium vs. Right Atrium))	qvalue(p-value(Left Atrium vs. Right Atrium))	Ratio(Left Atrium vs. Right Atrium)	Fold-Change(Left Atrium vs. Right Atrium)	Fold-Change(Left Atrium vs. Right Atrium) (Description)
220491_at	57817	HAMP	hepcidin antimicrobial peptide	NM_021175	2.88E-09	7.86E-05	6.65E-05	0.034119	-29.3092	Left Atrium down vs Right Atrium
241753_at	105373170	LOC105373170	uncharacterized LOC105373170	XR_921310 /// XR_921311 /// XR_921312 /// XR_949268 /// XR_949269 /// XR_949270	3.66E-08	0.00022226	0.00018807	0.129992	-7.6928	Left Atrium down vs Right Atrium
222020_s_at	50863	NTM	neurotrimin	NM_001048209 /// NM_001144058 /// NM_001144059 /// NM_016522 /// XM_005271580 /// XM_00	2.42E-09	7.86E-05	6.65E-05	0.213212	-4.69016	Left Atrium down vs Right Atrium
243929_at	---	---	---	---	1.65E-06	0.00262527	0.00222149	0.225613	-4.43238	Left Atrium down vs Right Atrium
219789_at	4883	NPR3	natriuretic peptide receptor 3	NM_000908 /// NM_001204375 /// NM_001204376 /// NM_024563 /// XM_005248309 /// XM_00524	6.82E-07	0.00155359	0.00131464	0.23062	-4.33613	Left Atrium down vs Right Atrium
227566_at	50863	NTM	neurotrimin	NM_001048209 /// NM_001144058 /// NM_001144059 /// NM_016522 /// XM_005271580 /// XM_00	1.28E-07	0.00046697	0.00039515	0.251514	-3.97593	Left Atrium down vs Right Atrium
205554_s_at	1776	DNASE1L3	deoxyribonuclease I-like 3	NM_001256560 /// NM_004944	2.20E-08	0.00017569	0.00014867	0.259784	-3.84935	Left Atrium down vs Right Atrium
202912_at	133	ADM	adrenomedullin	NM_001124	2.25E-08	0.00017569	0.00014867	0.267966	-3.73182	Left Atrium down vs Right Atrium
219054_at	4883	NPR3	natriuretic peptide receptor 3	NM_000908 /// NM_001204375 /// NM_001204376 /// NM_024563 /// XM_005248309 /// XM_00524	1.54E-06	0.00258104	0.00218406	0.272387	-3.67125	Left Atrium down vs Right Atrium
219509_at	58529	MYOZ1	myozenin 1	NM_021245	2.46E-05	0.0133071	0.0112604	0.273896	-3.65102	Left Atrium down vs Right Atrium
226809_at	100216479	FAR2P2 /// FAR2P3	fatty acyl-CoA reductase 2 pseudogene 2 /// fatty acyl-CoA reductase 2 pseudogene 3	NR_046258 /// NR_046259 /// NR_046260 /// XR_251175 /// XR_929224 /// XR_929225 /// XR_	1.91E-05	0.0115225	0.00975027	0.273978	-3.64993	Left Atrium down vs Right Atrium
202949_s_at	2274	FHL2	four and a half LIM domains 2	NM_001039492 /// NM_001450 /// NM_201555 /// NM_201556 /// NM_201557 /// XM_005263902 /	2.19E-06	0.00307373	0.00260097	0.277572	-3.60267	Left Atrium down vs Right Atrium
227719_at	4093	SMAD9	SMAD family member 9	NM_001127217 /// NM_005905 /// XM_005266401 /// XM_005266403 /// XM_005266404 /// XM_00	4.11E-07	0.00106916	0.00090472	0.282637	-3.53811	Left Atrium down vs Right Atrium
219985_at	9955	HS3ST3A1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	NM_006042 /// XM_011524111 /// XM_011524112 /// XM_011524113 /// XM_011524114	1.71E-08	0.00017569	0.00014867	0.296929	-3.36781	Left Atrium down vs Right Atrium
208292_at	27302	BMP10	bone morphogenetic protein 10	NM_014482	7.50E-08	0.00033037	0.00027956	0.320995	-3.11531	Left Atrium down vs Right Atrium
207069_s_at	4091	SMAD6	SMAD family member 6	NM_001142861 /// NM_005585 /// NR_027654 /// XM_011521561 /// XR_931825 /// XR_931826 /	7.01E-08	0.00033037	0.00027956	0.321569	-3.10975	Left Atrium down vs Right Atrium
231867_at	57451	TENM2	teneurin transmembrane protein 2	NM_001080428 /// NM_001122679 /// XM_005265950 /// XM_005265952 /// XM_006714897 /// XM	2.87E-08	0.000196	0.00016586	0.344471	-2.90301	Left Atrium down vs Right Atrium
219873_at	78989	COLEC11	collectin subfamily member 11	NM_001255982 /// NM_001255983 /// NM_001255984 /// NM_001255985 /// NM_001255986 /// NM	1.51E-06	0.00258104	0.00218406	0.353682	-2.8274	Left Atrium down vs Right Atrium
207695_s_at	3547	IGSF1	immunoglobulin superfamily, member 1	NM_001170961 /// NM_001170962 /// NM_001170963 /// NM_001555 /// NM_205833 /// XM_01153	9.02E-06	0.00735962	0.00622768	0.354603	-2.82005	Left Atrium down vs Right Atrium
213094_at	57211	ADGRG6	adhesion G protein-coupled receptor G6	NM_001032394 /// NM_001032395 /// NM_020455 /// NM_198569 /// XM_005267061 /// XM_00671	1.56E-06	0.00258104	0.00218406	0.369435	-2.70684	Left Atrium down vs Right Atrium
221933_at	57502	NLGN4X	neuroligin 4, X-linked	NM_001282145 /// NM_001282146 /// NM_020742 /// NM_181332 /// XM_005274564 /// XM_00527	2.72E-06	0.00354313	0.00299818	0.37341	-2.67802	Left Atrium down vs Right Atrium

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212224_at	216	ALDH1A1	aldehyde dehydrogenase 1 family, member A1	NM_000689	0.00013755	0.0349793	0.0295993	0.374017	-2.67368	Left Atrium down vs Right Atrium
212143_s_at	3486	IGFBP3	insulin like growth factor binding protein 3	NM_000598 /// NM_001013398	8.06E-05	0.0261268	0.0221084	0.375972	-2.65977	Left Atrium down vs Right Atrium
232224_at	5648	MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive fac	NM_001031849 /// NM_001879 /// NM_139125 /// NR_033519 /// XM_006713700 /// XM_00671370	2.08E-05	0.0120212	0.0101723	0.379547	-2.63472	Left Atrium down vs Right Atrium
201952_at	214	ALCAM	activated leukocyte cell adhesion molecule	NM_001243280 /// NM_001243281 /// NM_001243283 /// NM_001627	6.10E-05	0.0226465	0.0191633	0.381404	-2.62189	Left Atrium down vs Right Atrium
210095_s_at	3486	IGFBP3	insulin like growth factor binding protein 3	NM_000598 /// NM_001013398	9.91E-06	0.00785423	0.00664621	0.383144	-2.60999	Left Atrium down vs Right Atrium
210198_s_at	5354	PLP1	proteolipid protein 1	NM_000533 /// NM_001128834 /// NM_001305004 /// NM_199478	1.15E-05	0.00851364	0.0072042	0.383522	-2.60742	Left Atrium down vs Right Atrium
204811_s_at	9254	CACNA2D2	calcium channel, voltage-dependent, alpha 2/delta subunit 2	NM_001005505 /// NM_001174051 /// NM_001291101 /// NM_006030 /// XM_005265581 /// XM_01	1.19E-07	0.00046305	0.00039183	0.399093	-2.50568	Left Atrium down vs Right Atrium
229638_at	79191	IRX3	iroquois homeobox 3	NM_024336 /// XM_005256139	1.90E-08	0.00017569	0.00014867	0.4032	-2.48016	Left Atrium down vs Right Atrium
213135_at	7074	TIAM1	T-cell lymphoma invasion and metastasis 1	NM_003253 /// XM_005261037 /// XM_005261038 /// XM_005261040 /// XM_011529711 /// XM_01	0.000226682	0.0457338	0.0386997	0.40338	-2.47905	Left Atrium down vs Right Atrium
213425_at	7474	WNT5A	wingless-type MMTV integration site family, member 5A	NM_001256105 /// NM_003392 /// XM_006713324 /// XM_011534081 /// XM_011534082 /// XM_01	7.75E-06	0.00683829	0.00578653	0.410936	-2.43347	Left Atrium down vs Right Atrium
204790_at	4092	SMAD7	SMAD family member 7	NM_001190821 /// NM_001190822 /// NM_001190823 /// NM_005904	4.33E-07	0.00107584	0.00091037	0.414427	-2.41297	Left Atrium down vs Right Atrium
213800_at	3075	CFH	complement factor H	NM_000186 /// NM_001014975	8.87E-05	0.0272384	0.023049	0.418094	-2.39181	Left Atrium down vs Right Atrium
211726_s_at	2327	FMO2	flavin containing monooxygenase 2	NM_001301347 /// NM_001460 /// XR_426768 /// XR_921761	6.97E-06	0.00624862	0.00528755	0.418855	-2.38746	Left Atrium down vs Right Atrium
233364_s_at	---	---	---	---	6.38E-06	0.00601772	0.00509217	0.421421	-2.37292	Left Atrium down vs Right Atrium
212922_s_at	56950	SMYD2	SET and MYND domain containing 2	NM_020197 /// XR_426790	0.00024314	0.0476234	0.0402986	0.431192	-2.31915	Left Atrium down vs Right Atrium
209693_at	23245	ASTN2	astrotactin 2	NM_001184734 /// NM_001184735 /// NM_014010 /// NM_198186 /// NM_198187 /// NM_198188	1.11E-05	0.00847606	0.0071724	0.43384	-2.305	Left Atrium down vs Right Atrium
230087_at	145270	PRIMA1	proline rich membrane anchor 1	NM_178004 /// NM_178013 /// XM_011536456 /// XM_011546644	4.70E-07	0.00111838	0.00094637	0.437981	-2.2832	Left Atrium down vs Right Atrium
242496_at	420	ART4	ADP-ribosyltransferase 4 (Dombrock blood group)	NM_021071	5.13E-06	0.00526149	0.00445225	0.439118	-2.27729	Left Atrium down vs Right Atrium
226213_at	2065	ERBB3	erb-b2 receptor tyrosine kinase 3	NM_001005915 /// NM_001982	0.000142005	0.0356153	0.0301375	0.442693	-2.2589	Left Atrium down vs Right Atrium
222324_at	---	---	---	---	0.000170158	0.0392549	0.0332173	0.446889	-2.23769	Left Atrium down vs Right Atrium
225817_at	84952	CGNL1	cingulin-like 1	NM_001252335 /// NM_032866 /// XM_005254726 /// XM_005254727 /// XM_011522119 /// XM_01	4.78E-05	0.0196291	0.01661	0.450242	-2.22103	Left Atrium down vs Right Atrium
209167_at	2824	GPM6B	glycoprotein M6B	NM_001001994 /// NM_001001995 /// NM_001001996 /// NM_005278 /// XM_005274489 /// XM_00	8.48E-06	0.00713119	0.00603438	0.451566	-2.21451	Left Atrium down vs Right Atrium
209170_s_at	2824	GPM6B	glycoprotein M6B	NM_001001994 /// NM_001001995 /// NM_001001996 /// NM_005278 /// XM_005274489 /// XM_00	0.000123012	0.0339682	0.0287437	0.452128	-2.21176	Left Atrium down vs Right Atrium
203424_s_at	3488	IGFBP5	insulin like growth factor binding protein 5	NM_000599	8.10E-05	0.0261268	0.0221084	0.454381	-2.20079	Left Atrium down vs Right Atrium
215407_s_at	23245	ASTN2	astrotactin 2	NM_001184734 /// NM_001184735 /// NM_014010 /// NM_198186 /// NM_198187 /// NM_198188	5.44E-06	0.00540815	0.00457635	0.454936	-2.19811	Left Atrium down vs Right Atrium

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205392_s_at	6358 /// 348	CCL14 /// CCL15- CCL14	chemokine (C-C motif) ligand 14 /// CCL15-CCL14 readthrough (NMD candidate)	NM_004166 /// NM_032962 /// NM_032963 /// NR_027921 /// NR_027922	3.55E-05	0.0164388	0.0139105	0.455986	-2.19305	Left Atrium down vs Right Atrium
201565_s_at	3398	ID2	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein	NM_002166	2.13E-05	0.0121089	0.0102465	0.464423	-2.15321	Left Atrium down vs Right Atrium
210147_at	419	ART3	ADP-ribosyltransferase 3	NM_001130016 /// NM_001130017 /// NM_001179 /// XM_005262997 /// XM_005262999 /// XM_00	1.18E-06	0.00238745	0.00202025	0.465477	-2.14834	Left Atrium down vs Right Atrium
217678_at	23657	SLC7A11	solute carrier family 7 (anionic amino acid transporter light chain, xc- system), membe	NM_014331 /// XM_011531800 /// XM_011531801 /// XM_011531802 /// XM_011531803 /// XM_01	0.000105625	0.0300912	0.025463	0.466337	-2.14437	Left Atrium down vs Right Atrium
205792_at	8839	WISP2	WNT1 inducible signaling pathway protein 2	NM_003881 /// XM_005260603	5.55E-05	0.0211767	0.0179196	0.467793	-2.1377	Left Atrium down vs Right Atrium
210664_s_at	7035	TFPI	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	NM_001032281 /// NM_006287 /// XM_005246818 /// XM_005246819 /// XM_005246820 /// XM_00	8.47E-06	0.00713119	0.00603438	0.46814	-2.13611	Left Atrium down vs Right Atrium
229461_x_at	257194	NEGR1	neuronal growth regulator 1	NM_173808 /// XM_011541200 /// XM_011541201	0.000183582	0.0408023	0.0345267	0.468491	-2.13451	Left Atrium down vs Right Atrium
229160_at	139221	MUM1L1	melanoma associated antigen (mutated) 1-like 1	NM_001171020 /// NM_152423 /// XM_005262077 /// XM_005262078 /// XM_011530856 /// XM_01	0.000132688	0.0343826	0.0290944	0.469331	-2.13069	Left Atrium down vs Right Atrium
211564_s_at	8572	PDLIM4	PDZ and LIM domain 4	NM_001131027 /// NM_003687	1.01E-05	0.00786944	0.00665908	0.474217	-2.10874	Left Atrium down vs Right Atrium
205374_at	6588	SLN	sarcolipin	NM_003063	1.00E-06	0.00211006	0.00178552	0.47459	-2.10708	Left Atrium down vs Right Atrium
205990_s_at	7474	WNT5A	wingless-type MMTV integration site family, member 5A	NM_001256105 /// NM_003392 /// XM_006713324 /// XM_011534081 /// XM_011534082 /// XM_01	4.03E-07	0.00106916	0.00090472	0.489735	-2.04192	Left Atrium down vs Right Atrium
1553613_s_at	2296	FOXC1	forkhead box C1	NM_001453	4.13E-06	0.00470167	0.00397853	0.489808	-2.04162	Left Atrium down vs Right Atrium
209614_at	125	ADH1B	alcohol dehydrogenase 1B (class I), beta polypeptide	NM_000668 /// NM_001286650	0.000127107	0.0343045	0.0290283	0.491058	-2.03642	Left Atrium down vs Right Atrium
209921_at	23657	SLC7A11	solute carrier family 7 (anionic amino acid transporter light chain, xc- system), membe	NM_014331 /// XM_011531800 /// XM_011531801 /// XM_011531802 /// XM_011531803 /// XM_01	0.000141362	0.0356153	0.0301375	0.494189	-2.02352	Left Atrium down vs Right Atrium
214175_x_at	8572	PDLIM4	PDZ and LIM domain 4	NM_001131027 /// NM_003687	1.46E-05	0.0096783	0.00818973	0.495571	-2.01788	Left Atrium down vs Right Atrium
206629_at	9719	ADAMTSL2	ADAMTS like 2	NM_001145320 /// NM_014694 /// XM_005272237 /// XM_005272238 /// XM_005272239 /// XM_00	4.03E-05	0.0176971	0.0149752	0.49668	-2.01337	Left Atrium down vs Right Atrium
232113_at	---	---	---	---	7.86E-08	0.00033037	0.00027956	0.501386	-1.99447	Left Atrium down vs Right Atrium
204584_at	3897	L1CAM	L1 cell adhesion molecule	NM_000425 /// NM_001143963 /// NM_001278116 /// NM_024003	1.61E-05	0.0103423	0.00875157	0.50756	-1.97021	Left Atrium down vs Right Atrium
224901_at	79966	SCD5	stearoyl-CoA desaturase 5	NM_001037582 /// NM_024906	0.000144508	0.0360776	0.0305287	0.509072	-1.96436	Left Atrium down vs Right Atrium
209169_at	2824	GPM6B	glycoprotein M6B	NM_001001994 /// NM_001001995 /// NM_001001996 /// NM_005278 /// XM_005274489 /// XM_00	0.000194393	0.0421763	0.0356894	0.514466	-1.94376	Left Atrium down vs Right Atrium
236640_at	---	---	---	---	3.21E-05	0.0158294	0.0133947	0.519217	-1.92598	Left Atrium down vs Right Atrium
212713_at	4239	MFAP4	microfibrillar associated protein 4	NM_001198695 /// NM_002404	0.000217909	0.044959	0.0380441	0.523067	-1.9118	Left Atrium down vs Right Atrium
228882_at	7275	TUB	tubby bipartite transcription factor	NM_003320 /// NM_177972 /// XM_005253109 /// XM_011520344	1.32E-08	0.00017569	0.00014867	0.526845	-1.89809	Left Atrium down vs Right Atrium
236184_at	---	---	---	---	6.89E-06	0.00624862	0.00528755	0.527325	-1.89636	Left Atrium down vs Right Atrium
239723_at	---	---	---	---	3.14E-05	0.0157455	0.0133238	0.529866	-1.88727	Left Atrium down vs Right Atrium
230208_at	10021	HCN4	hyperpolarization activated cyclic nucleotide gated potassium channel 4	NM_005477 /// XM_011521148	2.70E-06	0.00354313	0.00299818	0.53074	-1.88416	Left Atrium down vs Right Atrium
201951_at	214	ALCAM	activated leukocyte cell adhesion molecule	NM_001243280 /// NM_001243281 /// NM_001243283 /// NM_001627	1.56E-07	0.00050868	0.00043044	0.531844	-1.88025	Left Atrium down vs Right Atrium

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234331_s_at	151354	FAM84A	family with sequence similarity 84, member A	NM_145175	0.000150826	0.037311	0.0315724	0.538811	-1.85594	Left Atrium down vs Right Atrium
202454_s_at	2065	ERBB3	erb-b2 receptor tyrosine kinase 3	NM_001005915 /// NM_001982	0.000161748	0.0382839	0.0323956	0.53904	-1.85515	Left Atrium down vs Right Atrium
229649_at	9369	NRXN3	neurexin 3	NM_001105250 /// NM_001272020 /// NM_004796 /// NM_138970 /// NR_073546 /// NR_073547 /	6.17E-05	0.0226465	0.0191633	0.539527	-1.85348	Left Atrium down vs Right Atrium
226695_at	5396	PRRX1	paired related homeobox 1	NM_006902 /// NM_022716 /// XM_006711388	3.99E-06	0.00470167	0.00397853	0.545092	-1.83455	Left Atrium down vs Right Atrium
228716_at	7068	THRB	thyroid hormone receptor, beta	NM_000461 /// NM_001128176 /// NM_001128177 /// NM_001252634 /// XM_005265421 /// XM_00	4.70E-05	0.0196025	0.0165875	0.548127	-1.82439	Left Atrium down vs Right Atrium
206464_at	660	BMX	BMX non-receptor tyrosine kinase	NM_001721 /// NM_203281 /// XM_006724510	1.36E-05	0.0096662	0.00817949	0.548889	-1.82186	Left Atrium down vs Right Atrium
242715_at	9745	ZNF536	zinc finger protein 536	NM_014717 /// XM_011527554 /// XM_011527555 /// XM_011527556 /// XM_011527557 /// XM_01	4.49E-06	0.00478934	0.00405272	0.551287	-1.81394	Left Atrium down vs Right Atrium
211959_at	3488	IGFBP5	insulin like growth factor binding protein 5	NM_000599	6.70E-05	0.0239349	0.0202536	0.553071	-1.80809	Left Atrium down vs Right Atrium
226065_at	144165	PRICKLE1	prickle homolog 1	NM_001144881 /// NM_001144882 /// NM_001144883 /// NM_153026 /// XM_011537946 /// XM_01	3.87E-05	0.0175073	0.0148146	0.554709	-1.80275	Left Atrium down vs Right Atrium
227025_at	51535	PPHLN1	periplin 1	NM_001143787 /// NM_001143788 /// NM_001143789 /// NM_016488 /// NM_201438 /// NM_20143	2.29E-07	0.00069619	0.00058911	0.561005	-1.78252	Left Atrium down vs Right Atrium
227647_at	10008	KCNE3	potassium channel, voltage gated subfamily E regulatory beta subunit 3	NM_005472 /// XM_011544713	9.51E-05	0.0284208	0.0240495	0.562528	-1.77769	Left Atrium down vs Right Atrium
1557292_a	55283	MCOLN3	mucopolin 3	NM_001253693 /// NM_018298 /// XM_005271003 /// XM_006710750 /// XM_006710752 /// XM_01	0.000188256	0.0413369	0.034979	0.562807	-1.77681	Left Atrium down vs Right Atrium
226069_at	144165	PRICKLE1	prickle homolog 1	NM_001144881 /// NM_001144882 /// NM_001144883 /// NM_153026 /// XM_011537946 /// XM_01	6.83E-05	0.0242035	0.0204809	0.565627	-1.76795	Left Atrium down vs Right Atrium
231430_at	220382	FAM181B	family with sequence similarity 181, member B	NM_175885	7.67E-07	0.0016772	0.00141924	0.566794	-1.76431	Left Atrium down vs Right Atrium
218127_at	4801	NFYB	nuclear transcription factor Y subunit beta	NM_006166 /// XM_005268908 /// XM_005268909 /// XM_005268910	1.43E-05	0.0096783	0.00818973	0.571605	-1.74946	Left Atrium down vs Right Atrium
228376_at	2681	GGTA1P	glycoprotein, alpha-galactosyltransferase 1 pseudogene	NR_003191 /// NR_045211	1.92E-05	0.0115225	0.00975027	0.572615	-1.74637	Left Atrium down vs Right Atrium
221796_at	4915	NTRK2	neurotrophic tyrosine kinase, receptor, type 2	NM_001007097 /// NM_001018064 /// NM_001018065 /// NM_001018066 /// NM_001291937 /// NM	5.40E-05	0.0210983	0.0178533	0.573777	-1.74284	Left Atrium down vs Right Atrium
218967_s_at	9317	PTER	phosphotriesterase related	NM_001001484 /// NM_001261836 /// NM_001261837 /// NM_001261838 /// NM_030664	0.000182212	0.0406631	0.0344089	0.574861	-1.73955	Left Atrium down vs Right Atrium
232206_at	54986	ULK4	unc-51 like kinase 4	NM_017886 /// XM_005265261 /// XM_006713215 /// XM_011533872 /// XM_011533873 /// XM_01	9.48E-05	0.0284208	0.0240495	0.582867	-1.71566	Left Atrium down vs Right Atrium
219389_at	55061	SUSD4	sushi domain containing 4	NM_001037175 /// NM_017982 /// XM_005273169 /// XM_005273172 /// XM_006711408 /// XM_01	4.05E-05	0.0176971	0.0149752	0.585942	-1.70665	Left Atrium down vs Right Atrium
205795_at	9369	NRXN3	neurexin 3	NM_001105250 /// NM_001272020 /// NM_004796 /// NM_138970 /// NR_073546 /// NR_073547 /	5.58E-05	0.0211767	0.0179196	0.586733	-1.70435	Left Atrium down vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

233587_s_at	57568	SIPA1L2	signal-induced proliferation-associated 1 like 2	NM_020808 /// XM_005273211 /// XM_005273212 /// XM_005273213 /// XM_005273214 /// XM_00	0.000221325	0.0452174	0.0382627	0.589646	-1.69593	Left Atrium down vs Right Atrium
227917_at	100506990	LOC100506990	uncharacterized LOC100506990	NR_040091 /// NR_040092	0.000238363	0.0473909	0.0401019	0.596357	-1.67685	Left Atrium down vs Right Atrium
210220_at	2535	FZD2	frizzled class receptor 2	NM_001466	9.19E-05	0.0279175	0.0236236	0.598259	-1.67152	Left Atrium down vs Right Atrium
219908_at	27123	DKK2	dickkopf WNT signaling pathway inhibitor 2	NM_014421	8.50E-05	0.0267047	0.0225974	0.599424	-1.66827	Left Atrium down vs Right Atrium
201809_s_at	2022	ENG	endoglin	NM_000118 /// NM_001114753 /// NM_001278138	0.000105173	0.0300912	0.025463	0.605864	-1.65054	Left Atrium down vs Right Atrium
1556364_at	100507098	ADAMTS9-AS2	ADAMTS9 antisense RNA 2	NR_038264	0.000267071	0.0498945	0.0422205	0.606043	-1.65005	Left Atrium down vs Right Atrium
218326_s_at	55366	LGR4	leucine-rich repeat containing G protein-coupled receptor 4	NM_018490	2.23E-05	0.0124633	0.0105464	0.608305	-1.64391	Left Atrium down vs Right Atrium
227461_at	85439	STON2	stonin 2	NM_001256430 /// NM_033104 /// XM_006720279 /// XM_011537240 /// XM_011537241 /// XM_01	0.000202433	0.0435749	0.0368729	0.615005	-1.626	Left Atrium down vs Right Atrium
202723_s_at	2308	FOXO1	forkhead box O1	NM_002015 /// XM_011535008 /// XM_011535009 /// XM_011535010 /// XR_941536	1.15E-05	0.00851364	0.0072042	0.616521	-1.622	Left Atrium down vs Right Atrium
222670_s_at	9935	MAFB	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog B	NM_005461	4.61E-05	0.0194053	0.0164207	0.616851	-1.62114	Left Atrium down vs Right Atrium
214745_at	23007	PLCH1	phospholipase C, eta 1	NM_001130960 /// NM_001130961 /// NM_014996 /// XM_005247238 /// XM_005247239 /// XM_01	2.57E-05	0.013511	0.011433	0.616914	-1.62097	Left Atrium down vs Right Atrium
238029_s_at	151473	SLC16A14	solute carrier family 16, member 14	NM_152527 /// XM_005246353 /// XM_011510751 /// XM_011510752	8.22E-05	0.0261268	0.0221084	0.618438	-1.61698	Left Atrium down vs Right Atrium
204271_s_at	1910	EDNRB	endothelin receptor type B	NM_000115 /// NM_001122659 /// NM_001201397 /// NM_003991 /// NR_047024 /// XM_00526627	0.000165844	0.0387572	0.0327961	0.618483	-1.61686	Left Atrium down vs Right Atrium
1558706_at	84913	ATOX8	atonal bHLH transcription factor 8	NM_032827 /// XM_006712122 /// XM_011533139 /// XM_011533140 /// XR_939731 /// XR_93973	0.00026016	0.0493173	0.0417321	0.61915	-1.61512	Left Atrium down vs Right Atrium
206766_at	8515	ITGA10	integrin alpha 10	NM_001303040 /// NM_001303041 /// NM_003637 /// XM_005277436 /// XM_011510079 /// XM_01	1.30E-06	0.00244849	0.0020719	0.620065	-1.61274	Left Atrium down vs Right Atrium
221478_at	665	BNIP3L	BCL2/adenovirus E1B 19kDa interacting protein 3-like	NM_004331 /// XM_005273617 /// XM_011544630	0.000247942	0.0482429	0.0408229	0.620268	-1.61221	Left Atrium down vs Right Atrium
204396_s_at	2869	GRK5	G protein-coupled receptor kinase 5	NM_005308 /// XM_005269707 /// XM_005269708 /// XM_011539699	3.91E-05	0.0175439	0.0148456	0.620429	-1.61179	Left Atrium down vs Right Atrium
205882_x_at	120	ADD3	adducin 3 (gamma)	NM_001121 /// NM_016824 /// NM_019903 /// XM_005269529 /// XM_005269530 /// XM_00526953	5.46E-05	0.0211767	0.0179196	0.621083	-1.61009	Left Atrium down vs Right Atrium
231098_at	100507516	LOC100507516	uncharacterized LOC100507516	XR_928879 /// XR_956930	4.30E-05	0.0182327	0.0154284	0.621173	-1.60986	Left Atrium down vs Right Atrium
205511_at	2553 /// 558	FLJ10038 /// GABPB1	uncharacterized protein FLJ10038 /// GA binding protein transcription factor, beta subunit	NM_002041 /// NM_005254 /// NM_016654 /// NM_016655 /// NM_017976 /// NM_181427 /// NR	1.38E-05	0.00966731	0.00818043	0.623235	-1.60453	Left Atrium down vs Right Atrium
223322_at	83593	RASSF5	Ras association (RalGDS/AF-6) domain family member 5	NM_031437 /// NM_182663 /// NM_182664 /// NM_182665	7.53E-05	0.0252561	0.0213716	0.626684	-1.5957	Left Atrium down vs Right Atrium
221479_s_at	665	BNIP3L	BCL2/adenovirus E1B 19kDa interacting protein 3-like	NM_004331 /// XM_005273617 /// XM_011544630	1.23E-05	0.0089399	0.0075649	0.62895	-1.58995	Left Atrium down vs Right Atrium
203221_at	7088	TLE1	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)	NM_001303103 /// NM_001303104 /// NM_005077 /// XM_005252151 /// XM_005252152 /// XM_00	2.09E-05	0.0120212	0.0101723	0.629217	-1.58928	Left Atrium down vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

223216_x at	55893 /// 15	FBXO16 /// ZNF395	F-box protein 16 /// zinc finger protein 395	NM_001258211 /// NM_018660 /// NM_172366	1.26E-05	0.00906297	0.00766904	0.633226	-1.57921	Left Atrium down vs Right Atrium
231925 at	5028	P2RY1	purinergic receptor P2Y, G-protein coupled, 1	NM_002563	5.20E-05	0.020598	0.01743	0.634997	-1.57481	Left Atrium down vs Right Atrium
205315_s at	6645	SNTB2	syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2)	NM_006750 /// NM_130845	8.15E-05	0.0261268	0.0221084	0.635929	-1.5725	Left Atrium down vs Right Atrium
240245_at	---	---	---	---	0.000243629	0.0476234	0.0402986	0.637128	-1.56954	Left Atrium down vs Right Atrium
238447 at	27303	RBMS3	RNA binding motif, single stranded interacting protein 3	NM_001003792 /// NM_001003793 /// NM_001177711 /// NM_001177712 /// NM_014483 /// XM_00	2.55E-05	0.013511	0.011433	0.639011	-1.56492	Left Atrium down vs Right Atrium
214156 at	25924	MYRIP	myosin VIIA and Rab interacting protein	NM_001284423 /// NM_001284424 /// NM_001284425 /// NM_001284426 /// NM_015460 /// NR_10	1.12E-05	0.00847606	0.0071724	0.6391	-1.5647	Left Atrium down vs Right Atrium
205154 at	10446	LRRN2	leucine rich repeat neuronal 2	NM_006338 /// NM_201630 /// XM_005244827 /// XM_011509066	2.38E-06	0.00325108	0.00275105	0.644626	-1.55129	Left Atrium down vs Right Atrium
230708 at	144165	PRICKLE1	prickle homolog 1	NM_001144881 /// NM_001144882 /// NM_001144883 /// NM_153026 /// XM_011537946 /// XM_01	0.000265987	0.0498945	0.0422205	0.645198	-1.54991	Left Atrium down vs Right Atrium
221123_x at	55893 /// 15	FBXO16 /// ZNF395	F-box protein 16 /// zinc finger protein 395	NM_001258211 /// NM_018660 /// NM_172366	2.94E-05	0.0148607	0.012575	0.647675	-1.54398	Left Atrium down vs Right Atrium
202191_s at	8522	GAS7	growth arrest-specific 7	NM_001130831 /// NM_003644 /// NM_201432 /// NM_201433 /// XM_005256831 /// XM_00525683	0.000120087	0.0333286	0.0282025	0.647954	-1.54332	Left Atrium down vs Right Atrium
239481 at	286499	FAM133A	family with sequence similarity 133, member A	NM_001171109 /// NM_001171110 /// NM_001171111 /// NM_173698 /// XM_006724641 /// XM_01	2.83E-05	0.0145789	0.0123366	0.648207	-1.54272	Left Atrium down vs Right Atrium
228913 at	100190939	TPT1-AS1	TPT1 antisense RNA 1	NR_024458	8.35E-05	0.0263809	0.0223234	0.651179	-1.53568	Left Atrium down vs Right Atrium
205854 at	7289	TULP3	tubby like protein 3	NM_001160408 /// NM_003324	0.000128917	0.034325	0.0290456	0.65249	-1.53259	Left Atrium down vs Right Atrium
229584 at	120892	LRRK2	leucine-rich repeat kinase 2	NM_198578 /// XM_005268629 /// XM_011537877 /// XM_011537878 /// XM_011537879 /// XM_01	4.23E-05	0.0180589	0.0152813	0.65302	-1.53135	Left Atrium down vs Right Atrium
225381 at	399959	MIR100HG	mir-100-let-7a-2 cluster host gene	NR_024430	3.65E-05	0.0167476	0.0141717	0.653133	-1.53108	Left Atrium down vs Right Atrium
230925 at	54518	APBB1P	amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein	NM_019043 /// XM_006717451 /// XM_011519514	0.000102687	0.0300237	0.0254059	0.653559	-1.53008	Left Atrium down vs Right Atrium
235079 at	619279	ZNF704	zinc finger protein 704	NM_001033723 /// NM_032651 /// XM_005251279 /// XM_006716464 /// XR_928797	0.000239862	0.0475162	0.0402079	0.655896	-1.52463	Left Atrium down vs Right Atrium
1559255_a	---	---	---	---	6.88E-05	0.0242035	0.0204809	0.656458	-1.52333	Left Atrium down vs Right Atrium
239301 at	---	---	---	---	0.000137418	0.0349793	0.0295993	0.660269	-1.51453	Left Atrium down vs Right Atrium
232615 at	100996741	LOC100996741	uncharacterized LOC100996741	XR_250844 /// XR_426813 /// XR_917465 /// XR_922103	0.000169911	0.0392549	0.0332173	0.663897	-1.50626	Left Atrium down vs Right Atrium
228080 at	143903	LAYN	layilin	NM_001258390 /// NM_001258391 /// NM_178834 /// XM_006718769 /// XM_006718770 /// XM_01	0.000117692	0.0328307	0.0277812	0.66635	-1.50071	Left Atrium down vs Right Atrium
212233 at	4131	MAP1B	microtubule associated protein 1B	NM_005909 /// NM_032010 /// XM_005248507	9.53E-06	0.00766482	0.00648593	1.50753	1.50753	Left Atrium up vs Right Atrium
223172_s at	51537	MTFP1	mitochondrial fission process 1	NM_001003704 /// NM_016498	3.19E-05	0.0158294	0.0133947	1.53494	1.53494	Left Atrium up vs Right Atrium
201656 at	3655	ITGA6	integrin alpha 6	NM_000210 /// NM_001079818 /// NM_001316306 /// XM_006712510 /// XM_006712511	0.00010567	0.0300912	0.025463	1.55498	1.55498	Left Atrium up vs Right Atrium
219884 at	26468	LHX6	LIM homeobox 6	NM_001242333 /// NM_001242334 /// NM_001242335 /// NM_014368 /// NM_199160 /// XM_00525	5.83E-06	0.00558929	0.00472963	1.5929	1.5929	Left Atrium up vs Right Atrium
213419 at	323	APBB2	amyloid beta (A4) precursor protein-binding, family B, member 2	NM_001166050 /// NM_001166051 /// NM_001166052 /// NM_001166053 /// NM_001166054 /// NM	0.00021657	0.0448522	0.0379537	1.60003	1.60003	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

210986_s_at	7168	TPM1	tropomyosin 1 (alpha)	NM_000366 /// NM_001018004 /// NM_001018005 /// NM_001018006 /// NM_001018007 /// NM_00	0.000157204	0.0378641	0.0320404	1.61773	1.61773	Left Atrium up vs Right Atrium
237939_at	2044	EPHA5	EPH receptor A5	NM_001281765 /// NM_001281766 /// NM_001281767 /// NM_004439 /// NM_182472 /// XM_00526	6.62E-05	0.0238303	0.0201651	1.62919	1.62919	Left Atrium up vs Right Atrium
236045_x_at	8447	DOC2B	double C2-like domains, beta	NM_003585 /// XM_011535363 /// XR_942188 /// XR_942189 /// XR_942190	7.12E-05	0.0244399	0.0206809	1.63598	1.63598	Left Atrium up vs Right Atrium
242441_at	---	---	---	---	6.85E-06	0.00624862	0.00528755	1.64364	1.64364	Left Atrium up vs Right Atrium
1559870_at	100129129	LOC100129129	uncharacterized LOC100129129	XR_113108	9.48E-05	0.0284208	0.0240495	1.67156	1.67156	Left Atrium up vs Right Atrium
224579_at	81539	SLC38A1	solute carrier family 38, member 1	NM_001077484 /// NM_001278387 /// NM_001278388 /// NM_001278389 /// NM_001278390 /// NM_001278390 /// NM	7.48E-05	0.0252561	0.0213716	1.67649	1.67649	Left Atrium up vs Right Atrium
211715_s_at	622	BDH1	3-hydroxybutyrate dehydrogenase, type 1	NM_004051 /// NM_203314 /// NM_203315 /// XM_005268352 /// XM_005269355 /// XM_01151306	0.000114316	0.0322178	0.0272625	1.69645	1.69645	Left Atrium up vs Right Atrium
228559_at	55839	CENPN	centromere protein N	NM_001100624 /// NM_001100625 /// NM_001270473 /// NM_001270474 /// NM_018455 /// XM_00	1.56E-05	0.010161	0.00859816	1.73445	1.73445	Left Atrium up vs Right Atrium
209047_at	358	AQP1	aquaporin 1 (Colton blood group)	NM_000385 /// NM_001185060 /// NM_001185061 /// NM_001185062 /// NM_198098	0.000176011	0.0400639	0.0339019	1.74888	1.74888	Left Atrium up vs Right Atrium
1562403_a	6547	SLC8A3	solute carrier family 8 (sodium/calcium exchanger), member 3	NM_001130417 /// NM_033262 /// NM_058240 /// NM_182932 /// NM_182933 /// NM_182936 /// NM_182936 ///	1.92E-05	0.0115225	0.00975027	1.75111	1.75111	Left Atrium up vs Right Atrium
203499_at	1969	EPHA2	EPH receptor A2	NM_004431	0.000124696	0.0339927	0.0287644	1.7543	1.7543	Left Atrium up vs Right Atrium
212935_at	23263	MCF2L	MCF.2 cell line derived transforming sequence like	NM_001112732 /// NM_024979 /// XM_005268309 /// XM_005268314 /// XM_005268316 /// XM_01	0.000124735	0.0339927	0.0287644	1.7694	1.7694	Left Atrium up vs Right Atrium
229172_at	116835	HSPA12B	heat shock 70kD protein 12B	NM_001197327 /// NM_052970 /// XM_005260656 /// XM_011529149 /// XM_011529150 /// XM_01	6.11E-05	0.0226465	0.0191633	1.77516	1.77516	Left Atrium up vs Right Atrium
226911_at	133584	EGFLAM	EGF-like, fibronectin type III and laminin G domains	NM_001205301 /// NM_152403 /// NM_182798 /// NM_182799 /// NM_182801	7.71E-08	0.00033037	0.00027956	1.78065	1.78065	Left Atrium up vs Right Atrium
218330_s_at	89797	NAV2	neuron navigator 2	NM_001111018 /// NM_001111019 /// NM_001244963 /// NM_145117 /// NM_182964 /// XM_00525	0.000140268	0.0355054	0.0300445	1.78507	1.78507	Left Atrium up vs Right Atrium
236335_at	2977	GUCY1A2	guanylate cyclase 1, soluble, alpha 2	NM_000855 /// NM_001256424	0.00017628	0.0400639	0.0339019	1.79295	1.79295	Left Atrium up vs Right Atrium
221097_s_at	10242	KCNMB2	potassium channel subfamily M regulatory beta subunit 2	NM_001278911 /// NM_005832 /// NM_181361 /// XM_011512325 /// XM_011512326 /// XM_01151	4.33E-06	0.00473351	0.00400547	1.79407	1.79407	Left Atrium up vs Right Atrium
205431_s_at	653	BMP5	bone morphogenetic protein 5	NM_021073 /// XM_005249304 /// XM_011514816 /// XM_011514817	0.000145717	0.0362141	0.0306442	1.81363	1.81363	Left Atrium up vs Right Atrium
210089_s_at	3910	LAMA4	laminin, alpha 4	NM_001105206 /// NM_001105207 /// NM_001105208 /// NM_001105209 /// NM_002290 /// XM_00	1.68E-06	0.00262527	0.00222149	1.81384	1.81384	Left Atrium up vs Right Atrium
218966_at	55930	MYO5C	myosin VC	NM_018728 /// XM_011521781	7.95E-05	0.0261268	0.0221084	1.81914	1.81914	Left Atrium up vs Right Atrium
235649_at	11095	ADAMTS8	ADAM metalloproteinase with thrombospondin type 1 motif 8	NM_007037	1.88E-05	0.0115225	0.00975027	1.83735	1.83735	Left Atrium up vs Right Atrium
226448_at	375061	FAM89A	family with sequence similarity 89, member A	NM_198552	0.000128606	0.034325	0.0290456	1.84224	1.84224	Left Atrium up vs Right Atrium
239136_at	728978	UNC5B-AS1	UNC5B antisense RNA 1	NR_038453	4.81E-05	0.0196291	0.01661	1.84684	1.84684	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

216481_at	80852	GRIP2	glutamate receptor interacting protein 2	NM_001080423 /// XM_011534141 /// XM_011534142 /// XM_011534143 /// XM_011534144 /// XM	5.34E-05	0.0210003	0.0177703	1.84958	1.84958	Left Atrium up vs Right Atrium
228766_at	948	CD36	CD36 molecule (thrombospondin receptor)	NM_000072 /// NM_001001547 /// NM_001001548 /// NM_001127443 /// NM_001127444 /// NM_00	8.85E-05	0.0272384	0.023049	1.88299	1.88299	Left Atrium up vs Right Atrium
201272_at	231	AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	NM_001628 /// XM_005250234	3.37E-05	0.0162315	0.013735	1.88895	1.88895	Left Atrium up vs Right Atrium
235085_at	157285	SGK223	homolog of rat pragra of Rnd2	NM_001080826 /// XM_005272369 /// XM_005272370 /// XM_011543813	5.72E-06	0.00558161	0.00472313	1.89533	1.89533	Left Atrium up vs Right Atrium
228434_at	153579	BTNL9	butyrophilin-like 9	NM_001308245 /// NM_152547 /// XM_005265824 /// XM_006714823 /// XM_006714824 /// XM_00	3.83E-06	0.00468592	0.00396521	1.90383	1.90383	Left Atrium up vs Right Atrium
217014_s_at	563 /// 6462	AZGP1 /// AZGP1P1	alpha-2-glycoprotein 1, zinc-binding /// alpha-2-glycoprotein 1, zinc-binding pseudogen	NM_0011185 /// NR_036679	0.000209346	0.0440182	0.037248	1.90797	1.90797	Left Atrium up vs Right Atrium
228740_at	145407	C14orf37	chromosome 14 open reading frame 37	NM_001001872 /// XM_006720051 /// XM_011536471 /// XR_943395 /// XR_943396 /// XR_94339	0.000155601	0.0377746	0.0319647	1.94135	1.94135	Left Atrium up vs Right Atrium
203929_s_at	4137	MAPT	microtubule associated protein tau	NM_001123066 /// NM_001123067 /// NM_001203251 /// NM_001203252 /// NM_005910 /// NM_01	0.000127368	0.0343045	0.0290283	1.95617	1.95617	Left Atrium up vs Right Atrium
35147_at	23263	MCF2L	MCF.2 cell line derived transforming sequence like	NM_001112732 /// NM_024979 /// XM_005268309 /// XM_005268314 /// XM_005268316 /// XM_01	0.000104543	0.0300912	0.025463	1.99354	1.99354	Left Atrium up vs Right Atrium
203786_s_at	7164	TPD52L1	tumor protein D52-like 1	NM_001003395 /// NM_001003396 /// NM_001003397 /// NM_001292026 /// NM_001300994 /// NM	2.26E-05	0.0124633	0.0105464	2.01567	2.01567	Left Atrium up vs Right Atrium
238062_at	338328	GPIHBP1	glycosylphosphatidylinositol anchored high density lipoprotein binding protein 1	NM_001301772 /// NM_178172	2.48E-05	0.0133071	0.0112604	2.093	2.093	Left Atrium up vs Right Atrium
213222_at	23236	PLCB1	phospholipase C, beta 1 (phosphoinositide-specific)	NM_015192 /// NM_182734 /// XM_011529199 /// XM_011529200 /// XM_011529201 /// XM_01152	1.45E-05	0.0096783	0.00818973	2.17285	2.17285	Left Atrium up vs Right Atrium
206768_at	6123	RPL3L	ribosomal protein L3-like	NM_005061 /// XM_011522571	3.40E-05	0.0162315	0.013735	2.33009	2.33009	Left Atrium up vs Right Atrium
205257_s_at	273	AMPH	amphiphysin	NM_001635 /// NM_139316 /// XM_006715689 /// XM_006715690 /// XM_006715691 /// XM_01151	3.86E-06	0.00468592	0.00396521	2.35402	2.35402	Left Atrium up vs Right Atrium
221008_s_at	64850	ETNPPL	ethanolamine-phosphate phospholylase	NM_001146590 /// NM_001146627 /// NM_031279 /// NR_027474 /// NR_027475 /// XM_00671429	6.95E-05	0.0242035	0.0204809	2.41426	2.41426	Left Atrium up vs Right Atrium
219728_at	9499	MYOT	myotilin	NM_001135940 /// NM_001300911 /// NM_006790	0.000209226	0.0440182	0.037248	2.57296	2.57296	Left Atrium up vs Right Atrium
228399_at	130497	OSR1	odd-skipped related transcription factor 1	NM_145260 /// XM_006711942	5.55E-05	0.0211767	0.0179196	2.81329	2.81329	Left Atrium up vs Right Atrium
201739_at	6446	SGK1	serum/glucocorticoid regulated kinase 1	NM_001143676 /// NM_001143677 /// NM_001143678 /// NM_001291995 /// NM_005627 /// XM_01	2.29E-05	0.0125468	0.010617	2.88998	2.88998	Left Atrium up vs Right Atrium
203980_at	2167	FABP4	fatty acid binding protein 4, adipocyte	NM_001442	0.000132158	0.0343826	0.0290944	3.06612	3.06612	Left Atrium up vs Right Atrium
202037_s_at	6422	SFRP1	secreted frizzled-related protein 1	NM_003012	1.47E-05	0.0096783	0.00818973	3.11758	3.11758	Left Atrium up vs Right Atrium
203549_s_at	4023	LPL	lipoprotein lipase	NM_000237	5.07E-05	0.0202414	0.0171282	3.28135	3.28135	Left Atrium up vs Right Atrium
208335_s_at	2532	ACKR1	atypical chemokine receptor 1 (Duffy blood group)	NM_001122951 /// NM_002036	4.56E-06	0.00478934	0.00405272	3.43359	3.43359	Left Atrium up vs Right Atrium
203184_at	2201	FBN2	fibrillin 2	NM_001999	2.03E-05	0.0119143	0.0100818	3.52653	3.52653	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

208078_s_at	150094	LOC102724428	serine/threonine-protein kinase SIK1 /// salt-inducible kinase 1	NM_173354 /// XM_006723920 /// XM_006726803 /// XM_011529474	0.000264912	0.0498945	0.0422205	3.52682	3.52682	Left Atrium up vs Right Atrium
204776_at	7060	THBS4	thrombospondin 4	NM_001306212 /// NM_001306213 /// NM_001306214 /// NM_003248 /// XM_011543614	2.71E-07	0.0007794	0.00065952	3.69372	3.69372	Left Atrium up vs Right Atrium
217997_at	22822	PHLDA1	pleckstrin homology-like domain, family A, member 1	NM_007350	7.72E-05	0.025587	0.0216516	3.77555	3.77555	Left Atrium up vs Right Atrium
221031_s_at	81575	APOLD1	apolipoprotein L domain containing 1	NM_001130415 /// NM_030817	4.21E-06	0.00470167	0.00397853	3.82818	3.82818	Left Atrium up vs Right Atrium
207558_s_at	5308	PITX2	paired-like homeodomain 2	NM_000325 /// NM_001204397 /// NM_001204398 /// NM_001204399 /// NM_153426 /// NM_15342	1.58E-07	0.00050868	0.00043044	4.14931	4.14931	Left Atrium up vs Right Atrium
209774_x_at	2920	CXCL2	chemokine (C-X-C motif) ligand 2	NM_002089	0.000167121	0.0388824	0.0329021	4.25747	4.25747	Left Atrium up vs Right Atrium
217996_at	22822	PHLDA1	pleckstrin homology-like domain, family A, member 1	NM_007350	6.91E-05	0.0242035	0.0204809	4.43128	4.43128	Left Atrium up vs Right Atrium
209309_at	563	AZGP1	alpha-2-glycoprotein 1, zinc-binding	NM_001185	1.30E-06	0.00244849	0.0020719	4.64426	4.64426	Left Atrium up vs Right Atrium
214135_at	51208	CLDN18	claudin 18	NM_001002026 /// NM_016369	1.88E-05	0.0115225	0.00975027	5.53326	5.53326	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

Atrial Fibrillation Tissues

Column ID	Entrez Gene	Gene Symbol	Gene Title	RefSeq Transcript ID	p-value (Left Atrium vs. Right Atrium)	stepup(p-value(Left Atrium vs. Right Atrium))	qvalue(p-value(Left Atrium vs. Right Atrium))	Ratio(Left Atrium vs. Right Atrium)	Fold-Change(Left Atrium vs. Right Atrium)	Fold-Change(Left Atrium vs. Right Atrium) (Description)
220491_at	57817	HAMP	hepcidin antimicrobial peptide	NM_0211175	2.89E-06	0.0526438	0.0526438	0.0516779	-19.3506	Left Atrium down vs Right Atrium
241753_at	105373170	LOC105373170	uncharacterized LOC105373170	XR_921310 /// XR	0.000103705	0.327242	0.327242	0.19538	-5.11823	Left Atrium down vs Right Atrium
226809_at	100216479 /// 100288897	FAR2P2 /// FAR2P3	fatty acyl-CoA reductase 2 pseudogene 2 /// fatty acyl-CoA reductase 2 pseudogene 3	NR_046258 /// NR	5.82E-05	0.31204	0.31204	0.234346	-4.26719	Left Atrium down vs Right Atrium
208292_at	27302	BMP10	bone morphogenetic protein 10	NM_014482	4.89E-06	0.0668042	0.0668042	0.262281	-3.8127	Left Atrium down vs Right Atrium
227566_at	50863	NTM	neurotrimin	NM_001048209 ///	0.000202728	0.459619	0.459619	0.299849	-3.33501	Left Atrium down vs Right Atrium
222020_s_at	50863	NTM	neurotrimin	NM_001048209 ///	0.000107734	0.327242	0.327242	0.338921	-2.95054	Left Atrium down vs Right Atrium
205374_at	6588	SLN	sarcolipin	NM_003063	0.00270916	0.999858	0.999858	0.362932	-2.75534	Left Atrium down vs Right Atrium
219509_at	58529	MYOZ1	myozenin 1	NM_021245	0.00742743	0.999858	0.999858	0.373343	-2.6785	Left Atrium down vs Right Atrium
212143_s_at	3486	IGFBP3	insulin like growth factor binding protein 3	NM_000598 /// NM	6.73E-05	0.31204	0.31204	0.385695	-2.59272	Left Atrium down vs Right Atrium
202949_s_at	2274	FHL2	four and a half LIM domains 2	NM_001039492 ///	0.0053165	0.999858	0.999858	0.407338	-2.45496	Left Atrium down vs Right Atrium
217414_x_at	3040	HBA2	hemoglobin, alpha 2	NM_000517	0.04563	0.999858	0.999858	0.410226	-2.43768	Left Atrium down vs Right Atrium
202912_at	133	ADM	adrenomedullin	NM_0011124	0.000208617	0.459619	0.459619	0.42246	-2.36709	Left Atrium down vs Right Atrium
212922_s_at	56950	SMDY2	SET and MYND domain containing 2	NM_020197 /// XR	0.00190398	0.96055	0.96055	0.429088	-2.33052	Left Atrium down vs Right Atrium
211564_s_at	8572	PDLIM4	PDZ and LIM domain 4	NM_001131027 ///	0.00183528	0.96055	0.96055	0.433561	-2.30648	Left Atrium down vs Right Atrium
220415_at	51086 /// 100526835	FPGT-TNNI3K /// TNNI3K	FPGT-TNNI3K readthrough /// TNNI3K interacting kinase	NM_001112808 ///	0.00641698	0.999858	0.999858	0.434168	-2.30325	Left Atrium down vs Right Atrium
210147_at	419	ART3	ADP-ribosyltransferase 3	NM_001130016 ///	0.00141177	0.923221	0.923221	0.440984	-2.26766	Left Atrium down vs Right Atrium
209392_at	5168	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2	NM_001040092 ///	0.0166673	0.999858	0.999858	0.447008	-2.2371	Left Atrium down vs Right Atrium
210095_s_at	3486	IGFBP3	insulin like growth factor binding protein 3	NM_000598 /// NM	7.52E-06	0.0822114	0.0822114	0.450365	-2.22042	Left Atrium down vs Right Atrium
219789_at	4883	NPR3	natriuretic peptide receptor 3	NM_000908 /// NM	0.00105785	0.850558	0.850558	0.451027	-2.21716	Left Atrium down vs Right Atrium
238877_at	2070	EYA4	EYA transcriptional coactivator and phosphatase 4	NM_001301012 ///	0.000859124	0.811221	0.811221	0.458223	-2.18234	Left Atrium down vs Right Atrium
243929_at	---	---	---	---	0.00928226	0.999858	0.999858	0.461584	-2.16645	Left Atrium down vs Right Atrium
227719_at	4093	SMAD9	SMAD family member 9	NM_001127217 ///	0.000908857	0.811221	0.811221	0.462295	-2.16312	Left Atrium down vs Right Atrium
207695_s_at	3547	IGSF1	immunoglobulin superfamily, member 1	NM_001170961 ///	0.00248041	0.996384	0.996384	0.471025	-2.12303	Left Atrium down vs Right Atrium
219985_at	9955	HS3ST3A1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	NM_006042 /// XM	0.0012075	0.892161	0.892161	0.474285	-2.10844	Left Atrium down vs Right Atrium
207069_s_at	4091	SMAD6	SMAD family member 6	NM_001142861 ///	1.56E-06	0.0425265	0.0425265	0.476879	-2.09697	Left Atrium down vs Right Atrium
229797_at	55283	MCOLN3	mucopolipin 3	NM_001253693 ///	0.00949141	0.999858	0.999858	0.484674	-2.06324	Left Atrium down vs Right Atrium
214175_x_at	8572	PDLIM4	PDZ and LIM domain 4	NM_001131027 ///	0.000509011	0.625	0.625	0.48534	-2.06041	Left Atrium down vs Right Atrium
231867_at	57451	TENM2	teneurin transmembrane protein 2	NM_001080428 ///	0.00226701	0.995633	0.995633	0.503267	-1.98702	Left Atrium down vs Right Atrium
232224_at	5648	MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive fac	NM_001031849 ///	0.00019201	0.459619	0.459619	0.51079	-1.95775	Left Atrium down vs Right Atrium
205934_at	5334	PLCL1	phospholipase C-like 1	NM_006226 /// XM	0.00425059	0.999858	0.999858	0.511422	-1.95533	Left Atrium down vs Right Atrium
240065_at	153643	FAM81B	family with sequence similarity 81, member B	NM_152548 /// XM	0.0261127	0.999858	0.999858	0.513378	-1.94788	Left Atrium down vs Right Atrium
219054_at	4883	NPR3	natriuretic peptide receptor 3	NM_000908 /// NM	0.00229446	0.995633	0.995633	0.516958	-1.93439	Left Atrium down vs Right Atrium
219338_s_at	54839	LRRC49	leucine rich repeat containing 49	NM_001199017 ///	0.01408	0.999858	0.999858	0.518901	-1.92715	Left Atrium down vs Right Atrium
204790_at	4092	SMAD7	SMAD family member 7	NM_001190821 ///	0.000243392	0.50993	0.50993	0.52285	-1.91259	Left Atrium down vs Right Atrium
206895_at	5506	PPP1R3A	protein phosphatase 1, regulatory subunit 3A	NM_002711 /// XM	0.000902954	0.811221	0.811221	0.529185	-1.8897	Left Atrium down vs Right Atrium
1558706_a_at	84913	ATOX8	atonal bHLH transcription factor 8	NM_032827 /// XM	0.0057306	0.999858	0.999858	0.529357	-1.88908	Left Atrium down vs Right Atrium
221933_at	57502	NLGN4X	neuroligin 4, X-linked	NM_001282145 ///	0.00628602	0.999858	0.999858	0.529657	-1.88801	Left Atrium down vs Right Atrium
219873_at	78989	COLEC11	collectin subfamily member 11	NM_001255982 ///	0.00116321	0.883536	0.883536	0.531727	-1.88066	Left Atrium down vs Right Atrium
222324_at	---	---	---	---	0.000949782	0.824275	0.824275	0.532843	-1.87673	Left Atrium down vs Right Atrium
201952_at	214	ALCAM	activated leukocyte cell adhesion molecule	NM_001243280 ///	0.0134315	0.999858	0.999858	0.538784	-1.85603	Left Atrium down vs Right Atrium
205554_s_at	1776	DNASE1L3	deoxyribonuclease I-like 3	NM_001256560 ///	0.0236644	0.999858	0.999858	0.540169	-1.85127	Left Atrium down vs Right Atrium
209693_at	23245	ASTN2	astrotactin 2	NM_001184734 ///	0.0152171	0.999858	0.999858	0.545586	-1.83289	Left Atrium down vs Right Atrium
232206_at	54986	ULK4	unc-51 like kinase 4	NM_017886 /// XM	0.00687221	0.999858	0.999858	0.549588	-1.81955	Left Atrium down vs Right Atrium
235874_at	167681	PRSS35	protease, serine 35	NM_001170423 ///	0.000688224	0.737816	0.737816	0.550562	-1.81632	Left Atrium down vs Right Atrium
213714_at	783	CACNB2	calcium channel, voltage-dependent, beta 2 subunit	NM_000724 /// NM	0.00997909	0.999858	0.999858	0.559229	-1.78817	Left Atrium down vs Right Atrium
227140_at	3624	INHBA	inhibin beta A	NM_002192	0.025351	0.999858	0.999858	0.561411	-1.78123	Left Atrium down vs Right Atrium
220484_at	55283	MCOLN3	mucopolipin 3	NM_001253693 ///	0.00477682	0.999858	0.999858	0.565527	-1.76826	Left Atrium down vs Right Atrium
205990_s_at	7474	WNT5A	wingless-type MMTV integration site family, member 5A	NM_001256105 ///	7.42E-05	0.31204	0.31204	0.566672	-1.76469	Left Atrium down vs Right Atrium
209921_at	23657	SLC7A11	solute carrier family 7 (anionic amino acid transporter light chain, xc-system), membe	NM_014331 /// XM	0.00568707	0.999858	0.999858	0.569662	-1.75543	Left Atrium down vs Right Atrium
203382_s_at	348	APOE	apolipoprotein E	NM_000041 /// NM	0.0294913	0.999858	0.999858	0.571365	-1.75019	Left Atrium down vs Right Atrium
226701_at	2702	GJA5	gap junction protein alpha 5	NM_005266 /// NM	0.0165008	0.999858	0.999858	0.571734	-1.74906	Left Atrium down vs Right Atrium
228284_at	7088	TLE1	transducin-like enhancer of split 1 (E(spl) homolog, Drosophila)	NM_001303103 ///	0.00310923	0.999858	0.999858	0.57935	-1.72607	Left Atrium down vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

209170_s_at	2824	GPM6B	glycoprotein M6B	NM_001001994 ///	0.00241376	0.996384	0.996384	0.580668	-1.72215	Left Atrium down vs Right Atrium
219908_at	27123	DKK2	dickkopf WNT signaling pathway inhibitor 2	NM_014421	0.00763816	0.999858	0.999858	0.58516	-1.70893	Left Atrium down vs Right Atrium
1552732_at	137735	ABRA	actin binding Rho activating protein	NM_139166	0.0143703	0.999858	0.999858	0.585402	-1.70823	Left Atrium down vs Right Atrium
242715_at	9745	ZNF536	zinc finger protein 536	NM_014717 /// XM	0.000383583	0.57535	0.57535	0.585537	-1.70783	Left Atrium down vs Right Atrium
212224_at	216	ALDH1A1	aldehyde dehydrogenase 1 family, member A1	NM_000689	0.00570796	0.999858	0.999858	0.585795	-1.70708	Left Atrium down vs Right Atrium
224901_at	79966	SCD5	stearoyl-CoA desaturase 5	NM_001037582 ///	0.00977684	0.999858	0.999858	0.59055	-1.69334	Left Atrium down vs Right Atrium
242912_at	641455	POTEM	POTE ankyrin domain family, member M	NM_001145442	0.00711904	0.999858	0.999858	0.591536	-1.69052	Left Atrium down vs Right Atrium
223753_s_at	55997 /// 653275	CFC1 /// CFC1B	cripto, FRL-1, cryptic family 1 /// cripto, FRL-1, cryptic family 1B	NM_001079530 ///	0.00759886	0.999858	0.999858	0.592616	-1.68743	Left Atrium down vs Right Atrium
1556711_at	144809	FAM216B	family with sequence similarity 216, member B	NM_182508 /// XM	0.0147087	0.999858	0.999858	0.604889	-1.6532	Left Atrium down vs Right Atrium
209167_at	2824	GPM6B	glycoprotein M6B	NM_001001994 ///	0.00913316	0.999858	0.999858	0.611532	-1.63524	Left Atrium down vs Right Atrium
1555801_s_at	151126	ZNF385B	zinc finger protein 385B	NM_001113397 ///	0.00190632	0.96055	0.96055	0.613748	-1.62933	Left Atrium down vs Right Atrium
1557292_a_at	55283	MCOLN3	mucoilin 3	NM_001253693 ///	0.0205549	0.999858	0.999858	0.615074	-1.62582	Left Atrium down vs Right Atrium
209267_s_at	64116	SLC39A8	solute carrier family 39 (zinc transporter), member 8	NM_001135146 ///	0.022892	0.999858	0.999858	0.61711	-1.62046	Left Atrium down vs Right Atrium
203221_at	7088	TLE1	transducin-like enhancer of split 1 (E(spl) homolog, Drosophila)	NM_001303103 ///	0.0019659	0.977142	0.977142	0.617419	-1.61965	Left Atrium down vs Right Atrium
203424_s_at	3488	IGFBP5	insulin like growth factor binding protein 5	NM_000599	0.0419713	0.999858	0.999858	0.618535	-1.61672	Left Atrium down vs Right Atrium
228890_at	84913	ATOX8	atonal bHLH transcription factor 8	NM_032827 /// XM	0.00688762	0.999858	0.999858	0.622531	-1.60635	Left Atrium down vs Right Atrium
227742_at	54102	CLIC6	chloride intracellular channel 6	NM_001317009 ///	0.0364987	0.999858	0.999858	0.625234	-1.5994	Left Atrium down vs Right Atrium
213094_at	57211	ADGRG6	adhesion G protein-coupled receptor G6	NM_001032394 ///	0.0318926	0.999858	0.999858	0.627127	-1.59457	Left Atrium down vs Right Atrium
213425_at	7474	WNT5A	wingless-type MMTV integration site family, member 5A	NM_001256105 ///	0.00039848	0.57535	0.57535	0.627351	-1.59401	Left Atrium down vs Right Atrium
203381_s_at	348	APOE	apolipoprotein E	NM_000041 /// NN	0.0448036	0.999858	0.999858	0.628476	-1.59115	Left Atrium down vs Right Atrium
206629_at	9719	ADAMTSL2	ADAMTSL like 2	NM_001145320 ///	0.0217691	0.999858	0.999858	0.629393	-1.58883	Left Atrium down vs Right Atrium
229019_at	151126	ZNF385B	zinc finger protein 385B	NM_001113397 ///	0.00621385	0.999858	0.999858	0.629447	-1.5887	Left Atrium down vs Right Atrium
209169_at	2824	GPM6B	glycoprotein M6B	NM_001001994 ///	0.00233098	0.996384	0.996384	0.629637	-1.58822	Left Atrium down vs Right Atrium
209821_at	90865	IL33	interleukin 33	NM_001199640 ///	0.0130192	0.999858	0.999858	0.634564	-1.57589	Left Atrium down vs Right Atrium
211538_s_at	3306	HSPA2	heat shock 70kDa protein 2	NM_021979	0.00829693	0.999858	0.999858	0.634896	-1.57506	Left Atrium down vs Right Atrium
214524_at	2691	GHRH	growth hormone releasing hormone	NM_001184731 ///	0.010782	0.999858	0.999858	0.636261	-1.57168	Left Atrium down vs Right Atrium
204058_at	4199	ME1	malic enzyme 1, NADP(+)-dependent, cytosolic	NM_002395 /// XM	0.0140391	0.999858	0.999858	0.639945	-1.56263	Left Atrium down vs Right Atrium
204379_s_at	2261	FGFR3	fibroblast growth factor receptor 3	NM_000142 /// NN	0.011052	0.999858	0.999858	0.64039	-1.56155	Left Atrium down vs Right Atrium
227819_at	59352	LGR6	leucine-rich repeat containing G protein-coupled receptor 6	NM_001017403 ///	0.015696	0.999858	0.999858	0.642765	-1.55578	Left Atrium down vs Right Atrium
212055_at	25941	TPGS2	tubulin polyglutamylase complex subunit 2	NM_001271949 ///	0.00408887	0.999858	0.999858	0.643141	-1.55487	Left Atrium down vs Right Atrium
219389_at	55061	SUSD4	sushi domain containing 4	NM_001037175 ///	0.0442073	0.999858	0.999858	0.646482	-1.54683	Left Atrium down vs Right Atrium
211959_at	3488	IGFBP5	insulin like growth factor binding protein 5	NM_000599	0.00221887	0.9944	0.9944	0.646676	-1.54637	Left Atrium down vs Right Atrium
234331_s_at	151354	FAM84A	family with sequence similarity 84, member A	NM_145175	0.00358709	0.999858	0.999858	0.647199	-1.54512	Left Atrium down vs Right Atrium
236640_at	---	---	---	---	0.0122192	0.999858	0.999858	0.648034	-1.54313	Left Atrium down vs Right Atrium
219142_at	65997	RASL11B	RAS-like, family 11, member B	NM_023940	0.00242331	0.996384	0.996384	0.650473	-1.53734	Left Atrium down vs Right Atrium
215407_s_at	23245	ASTN2	astrotractin 2	NM_001184734 ///	0.0432693	0.999858	0.999858	0.650766	-1.53665	Left Atrium down vs Right Atrium
204783_at	4291	MLF1	myeloid leukemia factor 1	NM_001130156 ///	0.0340993	0.999858	0.999858	0.65321	-1.5309	Left Atrium down vs Right Atrium
202693_s_at	9263	STK17A	serine/threonine kinase 17a	NM_004760	0.0197698	0.999858	0.999858	0.656584	-1.52303	Left Atrium down vs Right Atrium
210946_at	8611	PLPP1	phospholipid phosphatase 1	NM_003711 /// NN	0.00463256	0.999858	0.999858	0.657803	-1.52021	Left Atrium down vs Right Atrium
217678_at	23657	SLC7A11	solute carrier family 7 (anionic amino acid transporter light chain, x-system), membe	NM_014331 /// XM	0.00954021	0.999858	0.999858	0.658002	-1.51975	Left Atrium down vs Right Atrium
207327_at	2070	EYA4	EYA transcriptional coactivator and phosphatase 4	NM_001301012 ///	0.0387706	0.999858	0.999858	0.658004	-1.51975	Left Atrium down vs Right Atrium
230708_at	144165	PRICKLE1	prickle homolog 1	NM_001144881 ///	0.0136441	0.999858	0.999858	0.658189	-1.51932	Left Atrium down vs Right Atrium
1553746_a_at	283310	OTOGL	otogelin-like	NM_173591 /// XM	0.037585	0.999858	0.999858	0.6589	-1.51768	Left Atrium down vs Right Atrium
223821_s_at	55061	SUSD4	sushi domain containing 4	NM_001037175 ///	0.0476597	0.999858	0.999858	0.660591	-1.5138	Left Atrium down vs Right Atrium
1556583_a_at	6546	SLC8A1	solute carrier family 8 (sodium/calcium exchanger), member 1	NM_001112800 ///	0.0194232	0.999858	0.999858	0.661087	-1.51266	Left Atrium down vs Right Atrium
222108_at	347902	AMIGO2	adhesion molecule with lg-like domain 2	NM_001143668 ///	0.0461155	0.999858	0.999858	0.664553	-1.50477	Left Atrium down vs Right Atrium
227256_at	57478	USP31	ubiquitin specific peptidase 31	NM_020718 /// XM	0.0386914	0.999858	0.999858	0.664683	-1.50448	Left Atrium down vs Right Atrium
207016_s_at	8854	ALDH1A2	aldehyde dehydrogenase 1 family, member A2	NM_001206897 ///	0.0133975	0.999858	0.999858	0.665256	-1.50318	Left Atrium down vs Right Atrium
229638_at	79191	IRX3	iroquois homeobox 3	NM_024336 /// XM	0.00191495	0.96055	0.96055	0.665767	-1.50203	Left Atrium down vs Right Atrium
219230_at	55273	TMEM100	transmembrane protein 100	NM_001099640 ///	0.0256257	0.999858	0.999858	0.666613	-1.50012	Left Atrium down vs Right Atrium
210051_at	10411	RAPGEF3	Rap guanine nucleotide exchange factor 3	NM_001098531 ///	0.0194061	0.999858	0.999858	1.50083	1.50083	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

224212_s_at	9752 /// 56134 /// 56135 /// 56136 /// 56137 /// 56138 /// 56139 /// 56140 /// 56141 ///	PCDHA1 /// PCDHA10 /// PCDHA11 /// PCDHA12 /// PCDHA13 /// PCDHA2 /// PCDHA3 /// PCDHA4 /// PCDHA5 /// PCDHA6 /// PCDHA7 /// PCDHA8 /// PCDHA9 /// PCDHAC1 /// PCDHAC2	protocadherin alpha 1 /// protocadherin alpha 10 /// protocadherin alpha 11 /// protoca	NM_014005 /// NM	0.0224418	0.999858	0.999858	1.50263	1.50263	Left Atrium up vs Right Atrium
209047_at	358	AQP1	aquaporin 1 (Colton blood group)	NM_000385 /// NM	0.0181375	0.999858	0.999858	1.50522	1.50522	Left Atrium up vs Right Atrium
1556185_at	79689	STEAP4	STEAP family member 4	NM_001205315 ///	0.0123397	0.999858	0.999858	1.50704	1.50704	Left Atrium up vs Right Atrium
206008_at	7051	TGM1	transglutaminase 1	NM_000359	0.0320465	0.999858	0.999858	1.5075	1.5075	Left Atrium up vs Right Atrium
242795_at	---	---	---	---	7.02E-05	0.31204	0.31204	1.51185	1.51185	Left Atrium up vs Right Atrium
237939_at	2044	EPHA5	EPH receptor A5	NM_001281765 ///	0.00136911	0.923221	0.923221	1.5119	1.5119	Left Atrium up vs Right Atrium
228731_at	2977	GUCY1A2	guanylate cyclase 1, soluble, alpha 2	NM_000855 /// NM	0.00109471	0.866339	0.866339	1.51977	1.51977	Left Atrium up vs Right Atrium
210432_s_at	6328	SCN3A	sodium channel, voltage gated, type III alpha subunit	NM_001081676 ///	0.00749573	0.999858	0.999858	1.52379	1.52379	Left Atrium up vs Right Atrium
203666_at	6387	CXCL12	chemokine (C-X-C motif) ligand 12	NM_000609 /// NM	0.0423934	0.999858	0.999858	1.52615	1.52615	Left Atrium up vs Right Atrium
212793_at	23500	DAAM2	dishevelled associated activator of morphogenesis 2	NM_001201427 ///	0.00040755	0.57535	0.57535	1.528	1.528	Left Atrium up vs Right Atrium
201272_at	231	AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	NM_001628 /// XM	0.026665	0.999858	0.999858	1.529	1.529	Left Atrium up vs Right Atrium
229477_at	7069	THRSP	thyroid hormone responsive leucine rich repeat and Ig domain containing 1	NM_003251	0.0496846	0.999858	0.999858	1.53325	1.53325	Left Atrium up vs Right Atrium
227933_at	84894	LINGO1	leucine rich repeat and Ig domain containing 1	NM_001301186 ///	0.0123957	0.999858	0.999858	1.53662	1.53662	Left Atrium up vs Right Atrium
210674_s_at	9752 /// 56134 /// 56135 /// 56136 /// 56137 /// 56138 /// 56139 /// 56140 /// 56141 ///	PCDHA1 /// PCDHA10 /// PCDHA11 /// PCDHA12 /// PCDHA13 /// PCDHA2 /// PCDHA3 /// PCDHA4 /// PCDHA5 /// PCDHA6 /// PCDHA7 /// PCDHA8 /// PCDHA9 /// PCDHAC1 /// PCDHAC2	protocadherin alpha 1 /// protocadherin alpha 10 /// protocadherin alpha 11 /// protoca	NM_014005 /// NM	0.0490316	0.999858	0.999858	1.53908	1.53908	Left Atrium up vs Right Atrium
203699_s_at	1734	DIO2	deiodinase, iodothyronine, type II	NM_000793 /// NM	0.0163396	0.999858	0.999858	1.54634	1.54634	Left Atrium up vs Right Atrium
205431_s_at	653	BMP5	bone morphogenetic protein 5	NM_021073 /// XM	0.00320767	0.999858	0.999858	1.55304	1.55304	Left Atrium up vs Right Atrium
218546_at	79762	C1orf115	chromosome 1 open reading frame 115	NM_024709	0.00749834	0.999858	0.999858	1.55481	1.55481	Left Atrium up vs Right Atrium
203895_at	5332	PLCB4	phospholipase C, beta 4	NM_000933 /// NM	0.00689804	0.999858	0.999858	1.56446	1.56446	Left Atrium up vs Right Atrium
204906_at	6196	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	NM_001006932 ///	0.00116481	0.883536	0.883536	1.56619	1.56619	Left Atrium up vs Right Atrium
204567_s_at	9619	ABCG1	ATP binding cassette subfamily G member 1	NM_004915 /// NM	0.025926	0.999858	0.999858	1.56802	1.56802	Left Atrium up vs Right Atrium
218966_at	55930	MYO5C	myosin VC	NM_018728 /// XM	0.0138902	0.999858	0.999858	1.56932	1.56932	Left Atrium up vs Right Atrium
206118_at	6775	STAT4	signal transducer and activator of transcription 4	NM_001243835 ///	0.0473164	0.999858	0.999858	1.5715	1.5715	Left Atrium up vs Right Atrium
228740_at	145407	C14orf37	chromosome 14 open reading frame 37	NM_001001872 ///	0.00202625	0.977395	0.977395	1.57157	1.57157	Left Atrium up vs Right Atrium
210230_at	---	---	---	---	0.0373901	0.999858	0.999858	1.57389	1.57389	Left Atrium up vs Right Atrium
242441_at	---	---	---	---	0.000919903	0.811221	0.811221	1.58742	1.58742	Left Atrium up vs Right Atrium
209948_at	3779	KCNMB1	potassium channel subfamily M regulatory beta subunit 1	NM_004137	0.00503277	0.999858	0.999858	1.58824	1.58824	Left Atrium up vs Right Atrium
242680_at	552	AVPR1A	arginine vasopressin receptor 1A	NM_000706 /// XM	0.0101891	0.999858	0.999858	1.59024	1.59024	Left Atrium up vs Right Atrium
219398_at	63924	CIDEA	cell death-inducing DFFA-like effector c	NM_001199551 ///	0.0251849	0.999858	0.999858	1.59375	1.59375	Left Atrium up vs Right Atrium
203929_s_at	4137	MAPT	microtubule associated protein tau	NM_001123066 ///	0.0251142	0.999858	0.999858	1.59395	1.59395	Left Atrium up vs Right Atrium
212560_at	6653	SORL1	sortilin-related receptor, L(DLR class) A repeats containing	NM_003105 /// XM	0.0124889	0.999858	0.999858	1.62661	1.62661	Left Atrium up vs Right Atrium
214475_x_at	825	CAPN3	calpain 3	NM_000070 /// NM	0.004679	0.999858	0.999858	1.62832	1.62832	Left Atrium up vs Right Atrium
206243_at	7079	TIMP4	TIMP metalloproteinase inhibitor 4	NM_003256	0.0338931	0.999858	0.999858	1.63329	1.63329	Left Atrium up vs Right Atrium
206658_at	80761 /// 105375355	LOC105375355 /// UPK3B	uroplakin-3b /// uroplakin 3B	NM_030570 /// NM	0.0188063	0.999858	0.999858	1.6378	1.6378	Left Atrium up vs Right Atrium
220560_at	29125	C11orf21	chromosome 11 open reading frame 21	NM_001142946 ///	0.00267322	0.999858	0.999858	1.64268	1.64268	Left Atrium up vs Right Atrium
223500_at	10815	CPLX1	complexin 1	NM_006651 /// XM	0.0292047	0.999858	0.999858	1.65391	1.65391	Left Atrium up vs Right Atrium
226911_at	133584	EGFLAM	EGF-like, fibronectin type III and laminin G domains	NM_001205301 ///	1.52E-06	0.0425265	0.0425265	1.65648	1.65648	Left Atrium up vs Right Atrium
206768_at	6123	RPL3L	ribosomal protein L3-like	NM_005061 /// XM	0.0172784	0.999858	0.999858	1.66353	1.66353	Left Atrium up vs Right Atrium
211890_x_at	825	CAPN3	calpain 3	NM_000070 /// NM	0.00266035	0.999858	0.999858	1.67431	1.67431	Left Atrium up vs Right Atrium
208146_s_at	54504	CPVL	carboxypeptidase, vitellogenic-like	NM_019029 /// NM	0.0100706	0.999858	0.999858	1.67735	1.67735	Left Atrium up vs Right Atrium
209541_at	3479	IGF1	insulin-like growth factor 1 (somatomedin C)	NM_000618 /// NM	0.0360101	0.999858	0.999858	1.67849	1.67849	Left Atrium up vs Right Atrium
213222_at	23236	PLCB1	phospholipase C, beta 1 (phosphoinositide-specific)	NM_015192 /// NM	0.00482332	0.999858	0.999858	1.68198	1.68198	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

210605_s_at	4240	MFG8	milk fat globule-EGF factor 8 protein	NM_001114614 ///	0.0131262	0.999858	0.999858	1.68876	1.68876	Left Atrium up vs Right Atrium
210944_s_at	825	CAPN3	calpain 3	NM_000070 /// NM	0.00211339	0.977395	0.977395	1.69505	1.69505	Left Atrium up vs Right Atrium
203928_x_at	4137	MAPT	microtubule associated protein tau	NM_001230266 ///	0.0045649	0.999858	0.999858	1.69527	1.69527	Left Atrium up vs Right Atrium
236359_at	6330	SCN4B	sodium channel, voltage gated, type IV beta subunit	NM_001142348 ///	0.00444377	0.999858	0.999858	1.70204	1.70204	Left Atrium up vs Right Atrium
218856_at	27242	TNFRSF21	tumor necrosis factor receptor superfamily, member 21	NM_014452 /// XM	0.013889	0.999858	0.999858	1.70629	1.70629	Left Atrium up vs Right Atrium
236045_x_at	8447	DOC2B	double C2-like domains, beta	NM_003585 /// XM	0.00151711	0.947687	0.947687	1.70714	1.70714	Left Atrium up vs Right Atrium
202934_at	3099	HK2	hexokinase 2	NM_000189 /// XM	0.00964606	0.999858	0.999858	1.7101	1.7101	Left Atrium up vs Right Atrium
203896_s_at	5332	PLCB4	phospholipase C, beta 4	NM_000933 /// NM	0.00168634	0.960426	0.960426	1.71088	1.71088	Left Atrium up vs Right Atrium
210089_s_at	3910	LAMA4	laminin, alpha 4	NM_001105206 ///	0.00021016	0.459619	0.459619	1.71564	1.71564	Left Atrium up vs Right Atrium
207010_at	2560	GABRB1	gamma-aminobutyric acid (GABA) A receptor, beta 1	NM_000812 /// XM	0.0275594	0.999858	0.999858	1.72348	1.72348	Left Atrium up vs Right Atrium
204051_s_at	6424	SFRP4	secreted frizzled-related protein 4	NM_003014	0.0447236	0.999858	0.999858	1.72821	1.72821	Left Atrium up vs Right Atrium
210372_s_at	7164	TPD52L1	tumor protein D52-like 1	NM_001003395 ///	0.0112764	0.999858	0.999858	1.73753	1.73753	Left Atrium up vs Right Atrium
1562403_at	6547	SLC8A3	solute carrier family 8 (sodium/calcium exchanger), member 3	NM_001130417 ///	0.0109488	0.999858	0.999858	1.76773	1.76773	Left Atrium up vs Right Atrium
219728_at	9499	MYOT	myotilin	NM_001135940 ///	0.00234242	0.996384	0.996384	1.76969	1.76969	Left Atrium up vs Right Atrium
213992_at	1288	COL4A6	collagen, type IV, alpha 6	NM_001287758 ///	0.00671128	0.999858	0.999858	1.77356	1.77356	Left Atrium up vs Right Atrium
213706_at	2819 /// 84987	COX14 /// GPD1	COX14 cytochrome c oxidase assembly factor /// glycerol-3-phosphate dehydrogenase 1	NM_001257133 ///	0.0169739	0.999858	0.999858	1.77734	1.77734	Left Atrium up vs Right Atrium
213749_at	5648	MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive fac	NM_001031849 ///	0.0097461	0.999858	0.999858	1.78694	1.78694	Left Atrium up vs Right Atrium
213201_s_at	7138	TNNT1	troponin T type 1 (skeletal, slow)	NM_001126132 ///	0.0123086	0.999858	0.999858	1.79271	1.79271	Left Atrium up vs Right Atrium
220116_at	3781	KCNK2	potassium channel, calcium activated intermediate/small conductance subfamily N alpha,	NM_001278204 ///	0.0134404	0.999858	0.999858	1.79946	1.79946	Left Atrium up vs Right Atrium
222484_s_at	9547	CXCL14	chemokine (C-X-C motif) ligand 14	NM_004887	0.0034217	0.999858	0.999858	1.83725	1.83725	Left Atrium up vs Right Atrium
203549_s_at	4023	LPL	lipoprotein lipase	NM_000237	0.0155845	0.999858	0.999858	1.8419	1.8419	Left Atrium up vs Right Atrium
203786_s_at	7164	TPD52L1	tumor protein D52-like 1	NM_001003395 ///	0.00270612	0.999858	0.999858	1.84546	1.84546	Left Atrium up vs Right Atrium
238197_at	140628	GATA5	GATA binding protein 5	NM_000473 /// XM	0.000120353	0.346332	0.346332	1.86388	1.86388	Left Atrium up vs Right Atrium
205257_s_at	273	AMPH	amphiphysin	NM_001635 /// NM	0.00365437	0.999858	0.999858	1.8773	1.8773	Left Atrium up vs Right Atrium
204534_at	7448	VTN	vitronectin	NM_000638	0.00573982	0.999858	0.999858	1.88854	1.88854	Left Atrium up vs Right Atrium
225420_at	57678	GPAM	glycerol-3-phosphate acyltransferase, mitochondrial	NM_001244949 ///	0.0365386	0.999858	0.999858	1.89154	1.89154	Left Atrium up vs Right Atrium
202274_at	72	ACTG2	actin, gamma 2, smooth muscle, enteric	NM_001199893 ///	0.0429391	0.999858	0.999858	1.98229	1.98229	Left Atrium up vs Right Atrium
236302_at	22843	PPM1E	protein phosphatase, Mg2+/Mn2+ dependent, 1E	NM_014906 /// NR	0.000252095	0.50993	0.50993	1.98633	1.98633	Left Atrium up vs Right Atrium
203184_at	2201	FBN2	fibrillin 2	NM_001999	0.0094999	0.999858	0.999858	1.99431	1.99431	Left Atrium up vs Right Atrium
209540_at	3479	IGF1	insulin-like growth factor 1 (somatomedin C)	NM_000618 /// NM	0.0156375	0.999858	0.999858	2.00203	2.00203	Left Atrium up vs Right Atrium
214063_s_at	7018	TF	transferrin	NM_001063 /// XM	0.00801586	0.999858	0.999858	2.04313	2.04313	Left Atrium up vs Right Atrium
207092_at	3952	LEP	leptin	NM_000230 /// XM	0.00324153	0.999858	0.999858	2.04721	2.04721	Left Atrium up vs Right Atrium
203400_s_at	7018	TF	transferrin	NM_001063 /// XM	0.00353167	0.999858	0.999858	2.08672	2.08672	Left Atrium up vs Right Atrium
203548_s_at	4023	LPL	lipoprotein lipase	NM_000237	0.0239987	0.999858	0.999858	2.09218	2.09218	Left Atrium up vs Right Atrium
221031_s_at	81575	APOLD1	apolipoprotein L domain containing 1	NM_001130415 ///	0.0144011	0.999858	0.999858	2.11468	2.11468	Left Atrium up vs Right Atrium
217014_s_at	563 /// 646282	AZGP1 /// AZGP1P1	alpha-2-glycoprotein 1, zinc-binding /// alpha-2-glycoprotein 1, zinc-binding pseudogen	NM_001185 /// NR	9.29E-05	0.327242	0.327242	2.12423	2.12423	Left Atrium up vs Right Atrium
225987_at	79689	STEAP4	STEAP family member 4	NM_001205315 ///	0.00493272	0.999858	0.999858	2.12448	2.12448	Left Atrium up vs Right Atrium
213764_s_at	8076	MFAP5	microfibrillar associated protein 5	NM_001297709 ///	0.0157924	0.999858	0.999858	2.1463	2.1463	Left Atrium up vs Right Atrium
210096_at	1580	CYP4B1	cytochrome P450, family 4, subfamily B, polypeptide 1	NM_000779 /// NM	0.000570907	0.637028	0.637028	2.15277	2.15277	Left Atrium up vs Right Atrium
213765_at	8076	MFAP5	microfibrillar associated protein 5	NM_001297709 ///	0.017015	0.999858	0.999858	2.27576	2.27576	Left Atrium up vs Right Atrium
229476_s_at	7069	THRSP	thyroid hormone responsive	NM_003251	0.0188435	0.999858	0.999858	2.28191	2.28191	Left Atrium up vs Right Atrium
209758_s_at	8076	MFAP5	microfibrillar associated protein 5	NM_001297709 ///	0.00742056	0.999858	0.999858	2.34971	2.34971	Left Atrium up vs Right Atrium
218002_s_at	9547	CXCL14	chemokine (C-X-C motif) ligand 14	NM_004887	0.000560843	0.637028	0.637028	2.66176	2.66176	Left Atrium up vs Right Atrium
209742_s_at	4633	MYL2	myosin light chain 2	NM_000432	0.039038	0.999858	0.999858	2.74328	2.74328	Left Atrium up vs Right Atrium
205913_at	5346	PLIN1	perilipin 1	NM_001145311 ///	0.0077363	0.999858	0.999858	2.9283	2.9283	Left Atrium up vs Right Atrium
204776_at	7060	THBS4	thrombospondin 4	NM_001306212 ///	0.00052017	0.625	0.625	2.93386	2.93386	Left Atrium up vs Right Atrium
219140_s_at	5950	RBP4	retinol binding protein 4, plasma	NM_006744	0.00506617	0.999858	0.999858	3.03558	3.03558	Left Atrium up vs Right Atrium
202037_s_at	6422	SFRP1	secreted frizzled-related protein 1	NM_003012	0.000176506	0.459546	0.459546	3.19801	3.19801	Left Atrium up vs Right Atrium
228399_at	130497	OSR1	odd-skipped related transcription factor 1	NM_145260 /// XM	4.53E-05	0.31204	0.31204	3.26144	3.26144	Left Atrium up vs Right Atrium
209309_at	563	AZGP1	alpha-2-glycoprotein 1, zinc-binding	NM_001185	0.000271043	0.51101	0.51101	3.27103	3.27103	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

202036_s_at	6422	SFRP1	secreted frizzled-related protein 1	NM_003012	0.00300758	0.999858	0.999858	3.33612	3.33612	Left Atrium up vs Right Atrium
207558_s_at	5308	PITX2	paired-like homeodomain 2	NM_000325 /// NM	0.000556158	0.637028	0.637028	3.39643	3.39643	Left Atrium up vs Right Atrium
214135_at	51208	CLDN18	claudin 18	NM_001002026 ///	0.000439213	0.57535	0.57535	3.47064	3.47064	Left Atrium up vs Right Atrium
208335_s_at	2532	ACKR1	atypical chemokine receptor 1 (Duffy blood group)	NM_001122951 ///	7.01E-05	0.31204	0.31204	3.84668	3.84668	Left Atrium up vs Right Atrium
202035_s_at	6422	SFRP1	secreted frizzled-related protein 1	NM_003012	0.00252874	0.996384	0.996384	4.12453	4.12453	Left Atrium up vs Right Atrium
207175_at	9370	ADIPOQ	adiponectin, C1Q and collagen domain containing	NM_001177800 ///	0.00548688	0.999858	0.999858	4.1808	4.1808	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

All tissues together (SR+AF)

Probeset ID	Entrez Gene	Gene Symbol	Gene Title	RefSeq Transcript ID	p-value(Left Atrium vs. Right Atrium)	stepup(p-value(Left Atrium vs. Right Atrium))	qvalue(p-value(Left Atrium vs. Right Atrium))	Ratio(Left Atrium vs. Right Atrium)	Fold-Change(Left Atrium vs. Right Atrium)	Fold-Change(Left Atrium vs. Right Atrium) (Description)
220491_at	57817	HAMP	hepcidin antimicrobial peptide	NM_021175	2.02E-14	1.10E-09	9.97E-10	0.0416609	-24.0033	Left Atrium down vs Right Atrium
241753_at	105373170	LOC105373170	uncharacterized LOC105373170	XR_921310 /// XR_921311 /// XR_921312 /// XR_949268 /// XR_949269 /// XR_949270	2.44E-11	2.22E-07	2.01E-07	0.153483	-6.51536	Left Atrium down vs Right Atrium
226809_at	100216479	FAR2P2 /// FAR2P3	fatty acyl-CoA reductase 2 pseudogene 2 /// fatty acyl-CoA reductase 2 pseudogene 3	NR_046258 /// NR_046259 /// NR_046260 /// XR_251175 /// XR_929224 /// XR_929225 /// XR	1.38E-09	4.20E-06	3.79E-06	0.250443	-3.99293	Left Atrium down vs Right Atrium
222020_s_at	50863	NTM	neurotrimin	NM_001048209 /// NM_001144058 /// NM_001144059 /// NM_016522 /// XM_005271580 /// XM_00	1.72E-11	1.88E-07	1.70E-07	0.260279	-3.84203	Left Atrium down vs Right Atrium
227566_at	50863	NTM	neurotrimin	NM_001048209 /// NM_001144058 /// NM_001144059 /// NM_016522 /// XM_005271580 /// XM_00	2.43E-09	6.64E-06	5.99E-06	0.271142	-3.6881	Left Atrium down vs Right Atrium
208292_at	27302	BMP10	bone morphogenetic protein 10	NM_014482	7.88E-13	1.44E-08	1.30E-08	0.2849	-3.51	Left Atrium down vs Right Atrium
219509_at	58529	MYOZ1	myozenin 1	NM_021245	2.46E-06	0.00128029	0.00115638	0.318845	-3.13632	Left Atrium down vs Right Atrium
219789_at	4883	NPR3	natriuretic peptide receptor 3	NM_000908 /// NM_001204375 /// NM_001204376 /// NM_024563 /// XM_005248309 /// XM_00524	5.98E-09	1.27E-05	1.15E-05	0.320825	-3.11696	Left Atrium down vs Right Atrium
243929_at	---	---	---	---	2.50E-07	0.00026289	0.00023745	0.322281	-3.10288	Left Atrium down vs Right Atrium
202912_at	133	ADM	adrenomedullin	NM_001124	5.16E-11	4.03E-07	3.64E-07	0.336839	-2.96878	Left Atrium down vs Right Atrium
202949_s_at	2274	FHL2	four and a half LIM domains 2	NM_001039492 /// NM_001450 /// NM_201555 /// NM_201556 /// NM_201557 /// XM_005263902 /	5.14E-07	0.00041929	0.00037871	0.336871	-2.9685	Left Atrium down vs Right Atrium
227719_at	4093	SMAD9	SMAD family member 9	NM_001127217 /// NM_005905 /// XM_005266401 /// XM_005266403 /// XM_005266404 /// XM_00	3.18E-09	7.91E-06	7.14E-06	0.362397	-2.7594	Left Atrium down vs Right Atrium
205554_s_at	1776	DNASE1L3	deoxyribonuclease I-like 3	NM_001256560 /// NM_004944	4.31E-08	5.89E-05	5.32E-05	0.363726	-2.74933	Left Atrium down vs Right Atrium
219054_at	4883	NPR3	natriuretic peptide receptor 3	NM_000908 /// NM_001204375 /// NM_001204376 /// NM_024563 /// XM_005248309 /// XM_00524	1.76E-08	3.00E-05	2.71E-05	0.36529	-2.73755	Left Atrium down vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

219985_at	9955	HS3ST3A1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	NM_006042 /// XM_011524111 /// XM_011524112 /// XM_011524113 /// XM_011524114	1.42E-10	8.65E-07	7.82E-07	0.368393	-2.71449	Left Atrium down vs Right Atrium
212143_s_at	3486	IGFBP3	insulin like growth factor binding protein 3	NM_000598 /// NM_001013398	4.58E-08	6.10E-05	5.51E-05	0.375273	-2.66473	Left Atrium down vs Right Atrium
207069_s_at	4091	SMAD6	SMAD family member 6	NM_001142861 /// NM_005585 /// NR_027654 /// XM_011521561 /// XR_931825 /// XR_931826 /	6.48E-12	8.86E-08	8.00E-08	0.396381	-2.52282	Left Atrium down vs Right Atrium
207695_s_at	3547	IGSF1	immunoglobulin superfamily, member 1	NM_001170961 /// NM_001170962 /// NM_001170963 /// NM_001555 /// NM_205833 /// XM_01153	5.28E-08	6.88E-05	6.21E-05	0.396904	-2.5195	Left Atrium down vs Right Atrium
231867_at	57451	TENM2	teneurin transmembrane protein 2	NM_001080428 /// NM_001122679 /// XM_005265950 /// XM_005265952 /// XM_006714897 /// XM	1.35E-09	4.20E-06	3.79E-06	0.412207	-2.42597	Left Atrium down vs Right Atrium
205374_at	6588	SLN	sarcolipin	NM_003063	3.46E-06	0.00158359	0.00143033	0.412817	-2.42238	Left Atrium down vs Right Atrium
210095_s_at	3486	IGFBP3	insulin like growth factor binding protein 3	NM_000598 /// NM_001013398	7.53E-10	3.17E-06	2.86E-06	0.416926	-2.39851	Left Atrium down vs Right Atrium
220415_at	51086	FPGT-TNNI3K /// FPGT-TNNI3K /// TNNI3K	FPGT-TNNI3K readthrough /// TNNI3 interacting kinase	NM_001112808 /// NM_001199327 /// NM_015978	1.47E-05	0.0045528	0.00411216	0.418083	-2.39187	Left Atrium down vs Right Atrium
212922_s_at	56950	SMYD2	SET and MYND domain containing 2	NM_020197 /// XR_426790	2.86E-06	0.00145268	0.00131209	0.422461	-2.36708	Left Atrium down vs Right Atrium
232224_at	5648	MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive fac	NM_001031849 /// NM_001879 /// NM_139125 /// NR_033519 /// XM_006713700 /// XM_00671370	6.06E-09	1.27E-05	1.15E-05	0.432151	-2.31401	Left Atrium down vs Right Atrium
219873_at	78989	COLEC11	collectin subfamily member 11	NM_001255982 /// NM_001255983 /// NM_001255984 /// NM_001255985 /// NM_001255986 /// NM	1.10E-08	2.01E-05	1.82E-05	0.435964	-2.29377	Left Atrium down vs Right Atrium
210147_at	419	ART3	ADP-ribosyltransferase 3	NM_001130016 /// NM_001130017 /// NM_001179 /// XM_005262997 /// XM_005262999 /// XM_00	3.92E-07	0.0003575	0.0003229	0.446781	-2.23823	Left Atrium down vs Right Atrium
201952_at	214	ALCAM	activated leukocyte cell adhesion molecule	NM_001243280 /// NM_001243281 /// NM_001243283 /// NM_001627	1.40E-05	0.00442878	0.00400014	0.450842	-2.21807	Left Atrium down vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

221933_at	57502	NLGN4X	neuroligin 4, X-linked	NM_001282145 /// NM_001282146 /// NM_020742 /// NM_181332 /// XM_005274564 /// /// XM_00527	6.99E-07	0.00049289	0.00044519	0.455857	-2.19367	Left Atrium down vs Right Atrium
212224_at	216	ALDH1A1	aldehyde dehydrogenase 1 family, member A1	NM_000689	2.91E-06	0.00145268	0.00131209	0.461375	-2.16743	Left Atrium down vs Right Atrium
211564_s_at	8572	PDLIM4	PDZ and LIM domain 4	NM_001131027 /// NM_003687	3.77E-07	0.00034906	0.00031527	0.462383	-2.16271	Left Atrium down vs Right Atrium
204790_at	4092	SMAD7	SMAD family member 7	NM_001190821 /// NM_001190822 /// NM_001190823 /// NM_005904	6.19E-10	2.82E-06	2.55E-06	0.465744	-2.1471	Left Atrium down vs Right Atrium
213094_at	57211	ADGRG6	adhesion G protein-coupled receptor 66	NM_001032394 /// NM_001032395 /// NM_020455 /// NM_198569 /// XM_005267061 /// /// XM_00671	9.00E-07	0.00059982	0.00054177	0.472262	-2.11747	Left Atrium down vs Right Atrium
238877_at	2070	EYA4	EYA transcriptional coactivator and phosphatase 4	NM_001301012 /// NM_001301013 /// NM_004100 /// NM_172103 /// NM_172104 /// NM_172105 /	1.15E-06	0.00071338	0.00064434	0.476999	-2.09644	Left Atrium down vs Right Atrium
209693_at	23245	ASTN2	astrotactin 2	NM_001184734 /// NM_001184735 /// NM_014010 /// NM_198186 /// NM_198187 /// NM_198188	3.84E-05	0.00900755	0.00813576	0.483377	-2.06878	Left Atrium down vs Right Atrium
222324_at	---	---	---	---	4.22E-07	0.00037869	0.00034203	0.486485	-2.05556	Left Atrium down vs Right Atrium
214175_x_at	8572	PDLIM4	PDZ and LIM domain 4	NM_001131027 /// NM_003687	3.78E-08	5.29E-05	4.78E-05	0.491158	-2.03601	Left Atrium down vs Right Atrium
210198_s_at	5354	PLP1	proteolipid protein 1	NM_000533 /// NM_001128834 /// NM_001305004 /// NM_199478	8.43E-06	0.00313318	0.00282994	0.499634	-2.00146	Left Atrium down vs Right Atrium
209170_s_at	2824	GPM6B	glycoprotein M6B	NM_001001994 /// NM_001001995 /// NM_001001996 /// NM_005278 /// XM_005274489 /// /// XM_00	5.10E-07	0.00041929	0.00037871	0.50545	-1.97844	Left Atrium down vs Right Atrium
204811_s_at	9254	CACNA2D2	calcium channel, voltage-dependent, alpha 2/delta subunit 2	NM_001005505 /// NM_001174051 /// NM_001291101 /// NM_006030 /// XM_005265581 /// /// XM_01	3.61E-07	0.00034646	0.00031293	0.505835	-1.97693	Left Atrium down vs Right Atrium
203424_s_at	3488	IGFBP5	insulin like growth factor binding protein 5	NM_000599	1.23E-05	0.0040941	0.00369786	0.507863	-1.96904	Left Atrium down vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

213425_at	7474	WNT5A	wingless-type MMTV integration site family, member 5A	NM_001256105 /// NM_003392 /// XM_006713324 /// XM_011534081 /// XM_011534082 /// /// XM_01	1.81E-08	3.00E-05	2.71E-05	0.508217	-1.96766	Left Atrium down vs Right Atrium
226213_at	2065	ERBB3	erb-b2 receptor tyrosine kinase 3	NM_001005915 /// NM_001982	5.97E-06	0.00245428	0.00221674	0.510388	-1.95929	Left Atrium down vs Right Atrium
209167_at	2824	GPM6B	glycoprotein M6B	NM_001001994 /// NM_001001995 /// NM_001001996 /// NM_005278 /// XM_005274489 /// /// XM_00	5.67E-07	0.00044013	0.00039753	0.513092	-1.94897	Left Atrium down vs Right Atrium
213800_at	3075	CFH	complement factor H	NM_000186 /// NM_001014975	4.77E-05	0.0106056	0.00957917	0.51744	-1.93259	Left Atrium down vs Right Atrium
205990_s_at	7474	WNT5A	wingless-type MMTV integration site family, member 5A	NM_001256105 /// NM_003392 /// XM_006713324 /// XM_011534081 /// XM_011534082 /// /// XM_01	6.60E-11	4.51E-07	4.08E-07	0.518943	-1.92699	Left Atrium down vs Right Atrium
229638_at	79191	IRX3	iroquois homeobox 3	NM_024336 /// XM_005256139	1.29E-09	4.20E-06	3.79E-06	0.521953	-1.91588	Left Atrium down vs Right Atrium
203382_s_at	348	APOE	apolipoprotein E	NM_000041 /// NM_001302688 /// NM_001302689 /// NM_001302690 /// NM_001302691 ///	0.00017263	0.0254411	0.0229788	0.524105	-1.90802	Left Atrium down vs Right Atrium
209921_at	23657	SLC7A11	solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11	NM_014331 /// XM_011531800 /// XM_011531801 /// XM_011531802 /// XM_011531803 /// /// XM_01	0.00010383	0.0180636	0.0163153	0.524866	-1.90525	Left Atrium down vs Right Atrium
230087_at	145270	PRIMA1	proline rich membrane anchor 1	NM_178004 /// NM_178013 /// XM_011536456 /// XM_011546644	5.72E-07	0.00044013	0.00039753	0.527766	-1.89478	Left Atrium down vs Right Atrium
215407_s_at	23245	ASTN2	astrotactin 2	NM_001184734 /// NM_001184735 /// NM_014010 /// NM_198186 /// NM_198187 /// NM_198188	6.40E-05	0.0132015	0.0119238	0.528585	-1.89184	Left Atrium down vs Right Atrium
233364_s_at	---	---	---	---	3.58E-07	0.00034646	0.00031293	0.534392	-1.87128	Left Atrium down vs Right Atrium
242496_at	420	ART4	ADP-ribosyltransferase 4 (Dombrock blood group)	NM_021071	4.80E-07	0.00040881	0.00036924	0.54149	-1.84676	Left Atrium down vs Right Atrium
213135_at	7074	TIAM1	T-cell lymphoma invasion and metastasis 1	NM_003253 /// XM_005261037 /// XM_005261038 /// XM_005261040 /// XM_011529711 /// /// XM_01	7.90E-05	0.0151632	0.0136956	0.541922	-1.84528	Left Atrium down vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

217678_at	23657	SLC7A11	solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 1	NM_014331 /// XM_011531800 /// XM_011531801 /// XM_011531802 /// XM_011531803 /// XM_01	5.12E-05	0.0111512	0.0100719	0.543255	-1.84075	Left Atrium down vs Right Atrium
225817_at	84952	CGNL1	cingulin-like 1	NM_00125233 5 /// NM_032866 /// XM_005254726 /// XM_005254727 /// XM_011522119 /// XM_01	3.04E-05	0.00773361	0.00698512	0.546455	-1.82998	Left Atrium down vs Right Atrium
224901_at	79966	SCD5	stearoyl-CoA desaturase 5	NM_00103758 2 /// NM_024906	5.08E-06	0.00217193	0.00196172	0.548291	-1.82385	Left Atrium down vs Right Atrium
206629_at	9719	ADAMTSL2	ADAMTS like 2	NM_00114532 0 /// NM_014694 /// XM_005272237 /// XM_005272238 /// XM_005272239 /// XM_00	3.12E-06	0.00150728	0.0013614	0.548944	-1.82168	Left Atrium down vs Right Atrium
1556579_s_at	285313	IGSF10	immunoglobulin superfamily, member 10	NM_00117814 5 /// NM_00117814 6 /// NM_178822 /// XM_011512708 /// XM_011512709	0.00038465	0.0426591	0.0385304	0.551197	-1.81423	Left Atrium down vs Right Atrium
1557292_s_at	55283	MCOLN3	mucoilin 3	NM_00125369 3 /// NM_018298 /// XM_005271003 /// XM_006710750 /// XM_006710752 /// XM_01	8.18E-05	0.0154601	0.0139638	0.560343	-1.78462	Left Atrium down vs Right Atrium
242715_at	9745	ZNF536	zinc finger protein 536	NM_014717 /// XM_011527554 /// XM_011527555 /// XM_011527556 /// XM_011527557 /// XM_01	4.83E-09	1.15E-05	1.04E-05	0.560372	-1.78453	Left Atrium down vs Right Atrium
207016_s_at	8854	ALDH1A2	aldehyde dehydrogenase 1 family, member A2	NM_00120689 7 /// NM_003888 /// NM_170696 /// NM_170697	2.55E-05	0.00676288	0.00610834	0.563164	-1.77568	Left Atrium down vs Right Atrium
226701_at	2702	GJA5	gap junction protein alpha 5	NM_005266 /// NM_181703 /// XM_005272951 /// XM_011509415	0.00012256	0.020183	0.0182296	0.564426	-1.77171	Left Atrium down vs Right Atrium
235874_at	167681	PRSS35	protease, serine 35	NM_00117042 3 /// NM_153362	2.84E-06	0.00145268	0.00131209	0.565119	-1.76954	Left Atrium down vs Right Atrium
232206_at	54986	ULK4	unc-51 like kinase 4	NM_017886 /// XM_005265261 /// XM_006713215 /// XM_011533872 /// XM_011533873 /// XM_01	4.29E-05	0.00973309	0.00879108	0.56822	-1.75988	Left Atrium down vs Right Atrium
209169_at	2824	GPM6B	glycoprotein M6B	NM_00100199 4 /// NM_00100199 5 /// NM_00100199 6 /// NM_005278 /// XM_005274489 /// XM_00	2.95E-06	0.00145268	0.00131209	0.571121	-1.75094	Left Atrium down vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

1558706_a	84913	ATOH8	atonal bHLH transcription factor 8	NM_032827 /// XM_006712122 /// XM_011533139 /// XM_011533140 /// XR_939731 /// XR_93973	8.96E-06	0.00324429	0.00293029	0.572273	-1.74742	Left Atrium down vs Right Atrium
201565_s_at	3398	ID2	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein	NM_002166	2.00E-05	0.00562259	0.00507841	0.572656	-1.74625	Left Atrium down vs Right Atrium
204273_at	1910	EDNRB	endothelin receptor type B	NM_000115 /// NM_001122659 /// NM_001201397 /// NM_003991 /// NR_047024 /// XM_00526627	0.00031251	0.0371377	0.0335434	0.573525	-1.7436	Left Atrium down vs Right Atrium
1556711_at	144809	FAM216B	family with sequence similarity 216, member B	NM_182508 /// XM_005266260	0.0002061	0.0278918	0.0251923	0.573949	-1.74232	Left Atrium down vs Right Atrium
204154_at	1036	CDO1	cysteine dioxygenase type 1	NM_001801 /// XR_427700	0.00045957	0.0478608	0.0432287	0.575096	-1.73884	Left Atrium down vs Right Atrium
1555801_s_at	151126	ZNF385B	zinc finger protein 385B	NM_001113397 /// NM_001113398 /// NM_001282725 /// NM_152520 /// NR_104234 /// XM_01151	2.86E-05	0.00734737	0.00663627	0.576882	-1.73346	Left Atrium down vs Right Atrium
219230_at	55273	TMEM100	transmembrane protein 100	NM_001099640 /// NM_018286	9.62E-05	0.0174228	0.0157365	0.579427	-1.72584	Left Atrium down vs Right Atrium
209821_at	90865	IL33	interleukin 33	NM_001199640 /// NM_001199641 /// NM_001314044 /// NM_001314045 /// NM_001314046 /// NM	3.91E-05	0.00912008	0.0082374	0.58052	-1.72259	Left Atrium down vs Right Atrium
236640_at	---	---	---	---	1.16E-05	0.00393404	0.00355329	0.581569	-1.71949	Left Atrium down vs Right Atrium
234331_s_at	151354	FAM84A	family with sequence similarity 84, member A	NM_145175	9.97E-07	0.00064901	0.00058619	0.581623	-1.71933	Left Atrium down vs Right Atrium
204584_at	3897	L1CAM	L1 cell adhesion molecule	NM_000425 /// NM_001143963 /// NM_001278116 /// NM_024003	3.95E-06	0.00173976	0.00157138	0.582195	-1.71764	Left Atrium down vs Right Atrium
228882_at	7275	TUB	tubby bipartite transcription factor	NM_003320 /// NM_177972 /// XM_005253109 /// XM_011520344	2.01E-07	0.0002246	0.00020286	0.586049	-1.70634	Left Atrium down vs Right Atrium
205792_at	8839	WISP2	WNT1 inducible signaling pathway protein 2	NM_003881 /// XM_005260603	8.14E-05	0.01545	0.0139547	0.586838	-1.70405	Left Atrium down vs Right Atrium
220484_at	55283	MCOLN3	mucopolin 3	NM_001253693 /// NM_018298 /// XM_005271003 /// XM_006710750 /// XM_006710752 /// XM_01	0.00025613	0.0324164	0.029279	0.586966	-1.70368	Left Atrium down vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

205934_at	5334	PLCL1	phospholipase C-like 1	NM_006226 /// XM_005246643 /// XM_005246644 /// XM_011511351	0.00011324	0.019227	0.0173662	0.587651	-1.70169	Left Atrium down vs Right Atrium
204379_s_at	2261	FGFR3	fibroblast growth factor receptor 3	NM_000142 /// NM_001163213 /// NM_022965 /// XM_006713868 /// XM_006713869 /// XM_00671	9.14E-06	0.00326389	0.002948	0.587692	-1.70157	Left Atrium down vs Right Atrium
230208_at	10021	HCN4	hyperpolarization activated cyclic nucleotide gated potassium channel 4	NM_005477 /// XM_011521148	2.52E-05	0.00673081	0.00607938	0.588099	-1.70039	Left Atrium down vs Right Atrium
229160_at	139221	MUM1L1	melanoma associated antigen (mutated) 1-like 1	NM_001171020 /// NM_152423 /// XM_005262077 /// XM_005262078 /// XM_011530856 /// XM_01	0.00043626	0.0461064	0.041644	0.588162	-1.70021	Left Atrium down vs Right Atrium
203131_at	5156	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	NM_006206 /// XM_005265743 /// XM_006714039 /// XM_006714041 /// XM_011534385 /// XM_01	0.00032201	0.0380252	0.034345	0.59423	-1.68285	Left Atrium down vs Right Atrium
206464_at	660	BMX	BMX non-receptor tyrosine kinase	NM_001721 /// NM_203281 /// XM_006724510	1.09E-05	0.00373449	0.00337305	0.597868	-1.67261	Left Atrium down vs Right Atrium
227742_at	54102	CLIC6	chloride intracellular channel 6	NM_001317009 /// NM_053277 /// XM_011529650	0.00025878	0.0326219	0.0294646	0.598531	-1.67076	Left Atrium down vs Right Atrium
222108_at	347902	AMIGO2	adhesion molecule with Ig-like domain 2	NM_001143668 /// NM_181847 /// XM_005268837	0.0002124	0.0285335	0.0257719	0.599772	-1.6673	Left Atrium down vs Right Atrium
219908_at	27123	DKK2	dickkopf WNT signaling pathway inhibitor 2	NM_014421	9.17E-06	0.00326389	0.002948	0.600804	-1.66444	Left Atrium down vs Right Atrium
232113_at	---	---	---	---	1.36E-08	2.39E-05	2.16E-05	0.6011	-1.66362	Left Atrium down vs Right Atrium
219389_at	55061	SUSD4	sushi domain containing 4	NM_001037175 /// NM_017982 /// XM_005273169 /// XM_005273172 /// XM_006711408 /// XM_01	0.00017384	0.0254823	0.0230161	0.601602	-1.66223	Left Atrium down vs Right Atrium
211959_at	3488	IGFBP5	insulin like growth factor binding protein 5	NM_000599	7.03E-07	0.00049289	0.00044519	0.602307	-1.66028	Left Atrium down vs Right Atrium
213714_at	783	CACNB2	calcium channel, voltage-dependent, beta 2 subunit	NM_000724 /// NM_001167945 /// NM_201570 /// NM_201571 /// NM_201572 /// NM_201590 /// XM_01	0.00019643	0.0271892	0.0245577	0.602495	-1.65977	Left Atrium down vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

207327_at	2070	EYA4	EYA transcriptional coactivator and phosphatase 4	NM_001301012 /// NM_001301013 /// NM_004100 /// NM_172103 /// NM_172104 /// NM_172105 /	5.20E-05	0.0112719	0.010181	0.605539	-1.65142	Left Atrium down vs Right Atrium
201951_at	214	ALCAM	activated leukocyte cell adhesion molecule	NM_001243280 /// NM_001243281 /// NM_001243283 /// NM_001627	1.64E-06	0.00094138	0.00085027	0.606205	-1.64961	Left Atrium down vs Right Atrium
202350_s_at	4147	MATN2	matrilin 2	NM_002380 /// NM_030583 /// XM_005250920 /// XM_011517038	0.00032571	0.0380566	0.0343734	0.607508	-1.64607	Left Atrium down vs Right Atrium
227647_at	10008	KCNE3	potassium channel, voltage gated subfamily E regulatory beta subunit 3	NM_005472 /// XM_011544713	1.64E-05	0.00486752	0.00439642	0.607964	-1.64483	Left Atrium down vs Right Atrium
229461_x_at	257194	NEGR1	neuronal growth regulator 1	NM_173808 /// XM_011541200 /// XM_011541201	0.000368	0.0411457	0.0371634	0.610982	-1.63671	Left Atrium down vs Right Atrium
226069_at	144165	PRICKLE1	prickle homolog 1	NM_001144881 /// NM_001144882 /// NM_001144883 /// NM_153026 /// XM_011537946 /// XM_01	6.84E-05	0.0138015	0.0124658	0.61185	-1.63439	Left Atrium down vs Right Atrium
206895_at	5506	PPP1R3A	protein phosphatase 1, regulatory subunit 3A	NM_002711 /// XM_005250473	5.74E-05	0.0121664	0.0109889	0.615282	-1.62527	Left Atrium down vs Right Atrium
228890_at	84913	ATOX8	atonal bHLH transcription factor 8	NM_032827 /// XM_006712122 /// XM_011533139 /// XM_011533140 /// XR_939731 /// XR_93973	1.32E-05	0.00426767	0.00385462	0.615371	-1.62504	Left Atrium down vs Right Atrium
219867_at	140578	CHODL	chondrolectin	NM_001204174 /// NM_001204175 /// NM_001204176 /// NM_001204177 /// NM_001204178 /// NM	0.00038671	0.0428002	0.0386578	0.616855	-1.62113	Left Atrium down vs Right Atrium
227025_at	51535	PPHLN1	periphrin 1	NM_001143787 /// NM_001143788 /// NM_001143789 /// NM_016488 /// NM_201438 /// NM_20143	9.50E-08	0.00011546	0.00010429	0.616957	-1.62086	Left Atrium down vs Right Atrium
242912_at	641455	POTEM	POTE ankyrin domain family, member M	NM_001145442	3.34E-05	0.00819399	0.00740094	0.618016	-1.61808	Left Atrium down vs Right Atrium
203221_at	7088	TLE1	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)	NM_001303013 /// NM_001303014 /// NM_005077 /// XM_005252151 /// XM_005252152 /// XM_00	1.30E-07	0.00015096	0.00013635	0.620956	-1.61042	Left Atrium down vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

1559003_a	126661	CCDC163P	coiled-coil domain containing 163, pseudogene	NM_001102601 /// NR_033296 /// NR_033297 /// NR_033298	0.00043281	0.0460387	0.0415829	0.62435	-1.60167	Left Atrium down vs Right Atrium
223821_s_at	55061	SUSD4	sushi domain containing 4	NM_001037175 /// NM_017982 /// XM_005273169 /// XM_005273172 /// XM_006711408 /// XM_01	0.00042345	0.045486	0.0410836	0.625576	-1.59853	Left Atrium down vs Right Atrium
229019_at	151126	ZNF385B	zinc finger protein 385B	NM_001113397 /// NM_001113398 /// NM_001282725 /// NM_152520 /// NR_104234 /// XM_01151	1.38E-05	0.00438777	0.0039631	0.626986	-1.59493	Left Atrium down vs Right Atrium
239723_at	---	---	---	---	1.06E-05	0.00367898	0.00332292	0.627121	-1.59459	Left Atrium down vs Right Atrium
226695_at	5396	PRRX1	paired related homeobox 1	NM_006902 /// NM_022716 /// XM_006711388	3.53E-05	0.00854341	0.00771655	0.627479	-1.59368	Left Atrium down vs Right Atrium
228284_at	7088	TLE1	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)	NM_001303103 /// NM_001303104 /// NM_005077 /// XM_005252151 /// XM_005252152 /// XM_00	1.87E-05	0.00533802	0.00482139	0.627665	-1.59321	Left Atrium down vs Right Atrium
202454_s_at	2065	ERBB3	erb-b2 receptor tyrosine kinase 3	NM_001005915 /// NM_001982	3.07E-05	0.00777095	0.00701885	0.628925	-1.59001	Left Atrium down vs Right Atrium
213974_at	57188	ADAMTS3	ADAMTS like 3	NM_001301110 /// NM_207517 /// XM_011521821 /// XM_011521822 /// XM_011521823 /// XM_01	7.62E-06	0.00297719	0.00268904	0.629728	-1.58799	Left Atrium down vs Right Atrium
228716_at	7068	THRB	thyroid hormone receptor, beta	NM_000461 /// NM_001128176 /// NM_001128177 /// NM_001252634 /// XM_005265421 /// XM_00	8.58E-06	0.00314764	0.00284299	0.632801	-1.58028	Left Atrium down vs Right Atrium
219142_at	65997	RASL11B	RAS-like, family 11, member B	NM_023940	0.00021948	0.0289613	0.0261583	0.634613	-1.57576	Left Atrium down vs Right Atrium
210141_s_at	3623	INHHA	inhibin alpha	NM_002191	0.00017625	0.0256291	0.0231486	0.634756	-1.57541	Left Atrium down vs Right Atrium
205752_s_at	2949	GSTM5	glutathione S-transferase mu 5	NM_000851 /// XM_005270784 /// XM_005270785	0.00040893	0.0442735	0.0399885	0.635526	-1.5735	Left Atrium down vs Right Atrium
224964_s_at	54331	GNG2	guanine nucleotide binding protein (G protein), gamma 2	NM_001243773 /// NM_001243774 /// NM_053064 /// XM_006720173 /// XM_011536845 /// XM_01	0.00037936	0.0421578	0.0380776	0.637808	-1.56787	Left Atrium down vs Right Atrium
226065_at	144165	PRICKLE1	prickle homolog 1	NM_001144881 /// NM_001144882 /// NM_001144883 /// NM_153026 /// XM_011537946 /// XM_01	8.36E-05	0.015716	0.014195	0.639005	-1.56493	Left Atrium down vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

204271_s_at	1910	EDNRB	endothelin receptor type B	NM_000115 /// NM_00112265 9 /// NM_00120139 7 /// NM_003991 /// NR_047024 /// XM_00526627	3.27E-06	0.00156645	0.00141484	0.643456	-1.55411	Left Atrium down vs Right Atrium
218127_at	4801	NFYB	nuclear transcription factor Y subunit beta	NM_006166 /// XM_005268908 /// XM_005268909 /// XM_005268910	6.49E-07	0.00048472	0.00043781	0.643529	-1.55393	Left Atrium down vs Right Atrium
233587_s_at	57568	SIPA1L2	signal-induced proliferation-associated 1 like 2	NM_020808 /// XM_005273211 /// XM_005273212 /// XM_005273213 /// XM_005273214 /// XM_00	1.49E-05	0.00458514	0.00414137	0.647987	-1.54324	Left Atrium down vs Right Atrium
205609_at	284	ANGPT1	angiopoietin 1	NM_001146 /// NM_00119985 9 /// NM_00131405 1 /// NM_139290 /// XR_928319	0.00011727	0.0196683	0.0177647	0.65173	-1.53438	Left Atrium down vs Right Atrium
213845_at	2898	GRIK2	glutamate receptor, ionotropic, kainate 2	NM_00116624 7 /// NM_021956 /// NM_175768 /// XM_005266945 /// XM_005266946 /// XM_01153	2.52E-05	0.00673081	0.00607938	0.652105	-1.53349	Left Atrium down vs Right Atrium
204112_s_at	3176	HNMT	histamine N-methyltransferase	NM_00102407 4 /// NM_00102407 5 /// NM_006895 /// XM_011511063 /// XM_011511064	4.64E-05	0.0103934	0.00938745	0.652275	-1.5331	Left Atrium down vs Right Atrium
226420_at	2122	MECOM	MDS1 and EVI1 complex locus	NM_00110507 7 /// NM_00110507 8 /// NM_00116399 9 /// NM_00116400 0 /// NM_00120519 4 /// NM	5.74E-05	0.0121664	0.0109889	0.653351	-1.53057	Left Atrium down vs Right Atrium
238029_s_at	151473	SLC16A14	solute carrier family 16, member 14	NM_152527 /// XM_005246353 /// XM_011510751 /// XM_011510752	8.07E-05	0.015402	0.0139113	0.656133	-1.52408	Left Atrium down vs Right Atrium
205154_at	10446	LRRN2	leucine rich repeat neuronal 2	NM_006338 /// NM_201630 /// XM_005244827 /// XM_011509066	5.19E-09	1.18E-05	1.07E-05	0.656514	-1.5232	Left Atrium down vs Right Atrium
236184_at	---	---	---	---	0.00010047	0.0178923	0.0161606	0.658108	-1.51951	Left Atrium down vs Right Atrium
226751_at	25927	CNRIP1	cannabinoid receptor interacting protein 1	NM_00111110 1 /// NM_015463 /// XM_005264249 /// XM_006711984	6.00E-05	0.0125672	0.0113509	0.658241	-1.5192	Left Atrium down vs Right Atrium
237802_at	114786	XKR4	X-linked Kx blood group related 4	NM_052898	0.00045773	0.0477739	0.0431501	0.658666	-1.51822	Left Atrium down vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

214745_at	23007	PLCH1	phospholipase C, eta 1	NM_001130960 /// NM_001130961 /// NM_014996 /// XM_005247238 /// XM_005247239 /// /// XM_01	5.82E-07	0.00044168	0.00039893	0.660926	-1.51303	Left Atrium down vs Right Atrium
1556364_at	100507098	ADAMTS9-AS2	ADAMTS9 antisense RNA 2	NR_038264	6.77E-05	0.0137449	0.0124146	0.660988	-1.51289	Left Atrium down vs Right Atrium
204059_s_at	4199	ME1	malic enzyme 1, NADP(+)-dependent, cytosolic	NM_002395 /// XM_011535836	7.33E-06	0.00288214	0.0026032	0.66311	-1.50805	Left Atrium down vs Right Atrium
223322_at	83593	RASSF5	Ras association (RalGDS/AF-6) domain family member 5	NM_031437 /// NM_182663 /// NM_182664 /// NM_182665	6.86E-07	0.00049289	0.00044519	0.665048	-1.50365	Left Atrium down vs Right Atrium
227933_at	84894	LINGO1	leucine rich repeat and Ig domain containing 1	NM_001301118 6 /// NM_001301118 7 /// NM_001301118 9 /// NM_001301119 1 /// NM_001301119 2 /// NM	6.90E-05	0.0138719	0.0125293	1.50381	1.50381	Left Atrium up vs Right Atrium
210448_s_at	5026	P2RX5	purinergic receptor P2X, ligand gated ion channel, 5	NM_001204519 /// NM_001204520 /// NM_002561 /// NM_175080 /// NM_175081	0.0001153	0.0195174	0.0176284	1.50494	1.50494	Left Atrium up vs Right Atrium
223172_s_at	51537	MTFP1	mitochondrial fission process 1	NM_001003704 /// NM_016498	7.19E-06	0.00284939	0.00257361	1.50637	1.50637	Left Atrium up vs Right Atrium
210986_s_at	7168	TPM1	tropomyosin 1 (alpha)	NM_000366 /// NM_001018004 /// NM_001018005 /// NM_001018006 /// NM_001018007 /// NM_00	0.00010447	0.018075	0.0163256	1.51049	1.51049	Left Atrium up vs Right Atrium
228109_at	5924	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2	NM_006909 /// XM_005248565	5.64E-06	0.00237074	0.00214129	1.51354	1.51354	Left Atrium up vs Right Atrium
1559870_at	100129129	LOC100129129	uncharacterized LOC100129129	XR_113108	7.75E-06	0.00300687	0.00271585	1.52197	1.52197	Left Atrium up vs Right Atrium
210674_s_at	9752 /// 563	PCDHA1 /// PCDHA10 /// PCDHA11 /// PCDHA12 /// PCDHA13 /// PCDHA2 /// PCDHA3 /// PCDHA4 /// PCDHA5 /// PCDHA6 /// PCDHA7 /// PCDHA8 /// PCDHA9 /// PCDHAC1 /// PCDHAC2 ///	protocadherin alpha 1 protocadherin alpha 10 protocadherin alpha 11 protoca	NM_014005 /// NM_018898 /// NM_018899 /// NM_018900 /// NM_018901 /// NM_018902 /// /// NM	0.00047795	0.0491198	0.0443658	1.52435	1.52435	Left Atrium up vs Right Atrium
203509_at	6653	SORL1	sortilin-related receptor, L(DLR class) A repeats containing	NM_003105 /// XM_011542963 /// XM_011542964 /// XM_011542965 /// XM_011542966 /// /// XM_01	6.77E-07	0.00049289	0.00044519	1.53031	1.53031	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

237939_at	2044	EPHA5	EPH receptor A5	NM_001281765 /// NM_001281766 /// NM_001281767 /// NM_004439 /// NM_182472 /// XM_00526	8.04E-08	9.99E-05	9.02E-05	1.59172	1.59172	Left Atrium up vs Right Atrium
206401_s_at	4137	MAPT	microtubule associated protein tau	NM_001123066 /// NM_001123067 /// NM_001203251 /// NM_001203252 /// NM_005910 /// NM_01	5.78E-05	0.0122023	0.0110213	1.59586	1.59586	Left Atrium up vs Right Atrium
226448_at	375061	FAM89A	family with sequence similarity 89, member A	NM_198552	3.34E-06	0.00156871	0.00141689	1.59755	1.59755	Left Atrium up vs Right Atrium
242680_at	552	AVPR1A	arginine vasopressin receptor 1A	NM_000706 /// XM_005269002	4.18E-05	0.00956061	0.0086353	1.60058	1.60058	Left Atrium up vs Right Atrium
235046_at	8821	INPP4B	inositol polyphosphate 4-phosphatase type II B	NM_001101669 /// NM_003866 /// XM_005263322 /// XM_005263323 /// XM_005263325 /// XM_00	0.00025378	0.0322563	0.0291344	1.6049	1.6049	Left Atrium up vs Right Atrium
228559_at	55839	CENPN	centromere protein N	NM_001100624 /// NM_001100625 /// NM_001270473 /// NM_001270474 /// NM_018455 /// XM_00	3.22E-07	0.00032047	0.00028945	1.60768	1.60768	Left Atrium up vs Right Atrium
229172_at	116835	HSPA12B	heat shock 70kD protein 12B	NM_001197327 /// NM_052970 /// XM_005260656 /// XM_011529149 /// XM_011529150 /// XM_01	5.71E-07	0.00044013	0.00039753	1.61175	1.61175	Left Atrium up vs Right Atrium
236335_at	2977	GUCY1A2	guanylate cyclase 1, soluble, alpha 2	NM_000855 /// NM_001256424	3.13E-05	0.00784139	0.00708247	1.61267	1.61267	Left Atrium up vs Right Atrium
214121_x_at	9260	PDLIM7	PDZ and LIM domain 7 (enigma)	NM_005451 /// NM_203352 /// NM_203353 /// NM_213636 /// NR_103804 /// XM_011534696 /// XM_00	0.00029519	0.0361057	0.0326112	1.6133	1.6133	Left Atrium up vs Right Atrium
204482_at	7122	CLDN5	claudin 5	NM_001130861 /// NM_003277	0.00018406	0.0263155	0.0237686	1.61405	1.61405	Left Atrium up vs Right Atrium
235649_at	11095	ADAMTS8	ADAM metalloproteinase with thrombospondin type 1 motif 8	NM_007037	1.21E-06	0.00071974	0.00065008	1.61493	1.61493	Left Atrium up vs Right Atrium
220560_at	29125	C11orf21	chromosome 11 open reading frame 21	NM_001142946 /// NM_014144 /// NR_024621 /// XM_011520034	0.00011264	0.0191852	0.0173284	1.61807	1.61807	Left Atrium up vs Right Atrium
219911_s_at	28231	SILCO4A1	solute carrier organic anion transporter family, member 4A1	NM_016354 /// XM_005260203 /// XM_011528791 /// XM_011528792 /// XM_011528793 /// XM_01	1.78E-05	0.00516086	0.00466138	1.62008	1.62008	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

228434_at	153579	BTNL9	butyrophilin-like 9	NM_00130824 5 /// NM_152547 /// XM_005265824 /// XM_006714823 /// XM_006714824 /// XM_00	3.75E-07	0.00034906	0.00031527	1.62659	1.62659	Left Atrium up vs Right Atrium
228766_at	948	CD36	CD36 molecule (thrombospondin receptor)	NM_000072 /// NM_00100154 7 /// NM_00100154 8 /// NM_00112744 3 /// NM_00112744 4 /// NM_00	0.0001504	0.0231629	0.0209211	1.63007	1.63007	Left Atrium up vs Right Atrium
235085_at	157285	SGK223	homolog of rat pragra of Rnd2	NM_00108082 6 /// XM_005272369 /// XM_005272370 /// XM_011543813	1.88E-06	0.00103265	0.00093271	1.63279	1.63279	Left Atrium up vs Right Atrium
209047_at	358	AQP1	aquaporin 1 (Colton blood group)	NM_000385 /// NM_00118506 0 /// NM_00118506 1 /// NM_00118506 2 /// NM_198098	8.40E-06	0.00313318	0.00282994	1.63477	1.63477	Left Atrium up vs Right Atrium
210605_s_at	4240	MFG8	milk fat globule-EGF factor 8 protein	NM_00111461 4 /// NM_00131031 9 /// NM_00131032 0 /// NM_00131032 1 /// NM_005928 /// XM_00	3.69E-05	0.00884434	0.00798835	1.65324	1.65324	Left Atrium up vs Right Atrium
242441_at	---	---	---	---	2.34E-08	3.55E-05	3.21E-05	1.66219	1.66219	Left Atrium up vs Right Atrium
35147_at	23263	MCF2L	MCF.2 cell line derived transformin g sequence like	NM_00111273 2 /// NM_024979 /// XM_005268309 /// XM_005268314 /// XM_005268316 /// XM_01	1.29E-05	0.00425598	0.00384407	1.66322	1.66322	Left Atrium up vs Right Atrium
210944_s_at	825	CAPN3	calpain 3	NM_000070 /// NM_024344 /// NM_173087 /// NM_173088 /// NM_173089 /// NM_173090 /// NM_	3.57E-06	0.00161173	0.00145574	1.66489	1.66489	Left Atrium up vs Right Atrium
216481_at	80852	GRIP2	glutamate receptor interacting protein 2	NM_00108042 3 /// XM_011534141 /// XM_011534142 /// XM_011534143 /// XM_011534144 /// XM	1.61E-05	0.00479952	0.004335	1.67367	1.67367	Left Atrium up vs Right Atrium
236045_x_at	8447	DOC2B	double C2-like domains, beta	NM_003585 /// XM_011535363 /// XR_942188 /// XR_942189 /// XR_942190	4.86E-07	0.00040881	0.00036924	1.68394	1.68394	Left Atrium up vs Right Atrium
212560_at	6653	SORL1	sortilin-related receptor, L(DLR class) A repeats containing	NM_003105 /// XM_011542963 /// XM_011542964 /// XM_011542965 /// XM_011542966 /// XM_01	3.09E-05	0.00777959	0.00702665	1.68729	1.68729	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

201272_at	231	AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	NM_001628 /// XM_005250234	9.19E-06	0.00326389	0.002948	1.69048	1.69048	Left Atrium up vs Right Atrium
242795_at	---	---	---	---	5.84E-06	0.00241814	0.0021841	1.69268	1.69268	Left Atrium up vs Right Atrium
218966_at	55930	MYO5C	myosin VC	NM_018728 /// XM_011521781	8.48E-06	0.00313318	0.00282994	1.69327	1.69327	Left Atrium up vs Right Atrium
238197_at	140628	GATA5	GATA binding protein 5	NM_080473 /// XM_006723699	1.60E-07	0.00018232	0.00016468	1.69588	1.69588	Left Atrium up vs Right Atrium
213749_at	5648	MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive fac	NM_00103184 9 /// NM_001879 /// NM_139125 /// NR_033519 /// XM_006713700 /// XM_00671370	6.64E-05	0.0135891	0.0122739	1.71473	1.71473	Left Atrium up vs Right Atrium
236359_at	6330	SCN4B	sodium channel, voltage gated, type IV beta subunit	NM_00114234 8 /// NM_00114234 9 /// NM_174934 /// NR_024527	6.99E-05	0.0139522	0.0126018	1.71576	1.71576	Left Atrium up vs Right Atrium
203929_s_at	4137	MAPT	microtubule associated protein tau	NM_00112306 6 /// NM_00112306 7 /// NM_00120325 1 /// NM_00120325 2 /// NM_005910 /// NM_01	5.92E-05	0.0124575	0.0112518	1.72465	1.72465	Left Atrium up vs Right Atrium
204567_s_at	9619	ABCG1	ATP binding cassette subfamily G member 1	NM_004915 /// NM_016818 /// NM_207174 /// NM_207627 /// NM_207628 /// NM_207629 /// NM_	9.05E-05	0.0167193	0.0151012	1.73774	1.73774	Left Atrium up vs Right Atrium
203928_x_at	4137	MAPT	microtubule associated protein tau	NM_00112306 6 /// NM_00112306 7 /// NM_00120325 1 /// NM_00120325 2 /// NM_005910 /// NM_01	3.27E-05	0.0080969	0.00731325	1.73858	1.73858	Left Atrium up vs Right Atrium
213992_at	1288	COL4A6	collagen, type IV, alpha 6	NM_00128775 8 /// NM_00128775 9 /// NM_00128776 0 /// NM_001847 /// NM_033641 /// XM_00672	0.00010612	0.0183037	0.0165322	1.73879	1.73879	Left Atrium up vs Right Atrium
226911_at	133584	EGFLAM	EGF-like, fibronectin type III and laminin G domains	NM_00120530 1 /// NM_152403 /// NM_182798 /// NM_182799 /// NM_182801	1.10E-13	3.02E-09	2.73E-09	1.73882	1.73882	Left Atrium up vs Right Atrium
205431_s_at	653	BMP5	bone morphogenetic protein 5	NM_021073 /// XM_005249304 /// XM_011514816 /// XM_011514817	2.56E-07	0.00026433	0.00023874	1.74386	1.74386	Left Atrium up vs Right Atrium
218856_at	27242	TNFRSF21	tumor necrosis factor receptor superfamily, member 21	NM_014452 /// XM_011514495	3.75E-05	0.0088964	0.00803537	1.76074	1.76074	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

210372_s at	7164	TPD52L1	tumor protein D52-like 1	NM_001003395 /// NM_001003396 /// NM_001003397 /// NM_001292026 /// NM_001300994 /// NM	0.00012365	0.0202414	0.0182823	1.76109	1.76109	Left Atrium up vs Right Atrium
228740_at	145407	C14orf37	chromosome 14 open reading frame 37	NM_001001872 /// XM_006720051 /// XM_011536471 /// XR_943395 /// XR_943396 /// XR_94339	7.29E-07	0.0005006	0.00045215	1.76178	1.76178	Left Atrium up vs Right Atrium
1562403_a	6547	SLC8A3	solute carrier family 8 (sodium/calcium exchanger), member 3	NM_001130417 /// NM_033262 /// NM_058240 /// NM_182932 /// NM_182933 /// NM_182936 ///	6.15E-06	0.00250903	0.0022662	1.76602	1.76602	Left Atrium up vs Right Atrium
210089_s at	3910	LAMA4	laminin, alpha 4	NM_001105206 /// NM_001105207 /// NM_001105208 /// NM_001105209 /// NM_002290 /// XM_00	1.14E-09	4.17E-06	3.77E-06	1.77332	1.77332	Left Atrium up vs Right Atrium
209948_at	3779	KCNMB1	potassium channel subfamily M regulatory beta subunit 1	NM_004137	7.84E-05	0.0151632	0.0136956	1.79105	1.79105	Left Atrium up vs Right Atrium
202934_at	3099	HK2	hexokinase 2	NM_000189 /// XM_005264280 /// XM_011532807	0.00012112	0.0200062	0.0180699	1.79736	1.79736	Left Atrium up vs Right Atrium
243450_at	---	---	---	---	0.00013377	0.0215114	0.0194295	1.87253	1.87253	Left Atrium up vs Right Atrium
238062_at	338328	GPIHBP1	glycosylphosphatidylinositol anchored high density lipoprotein binding protein 1	NM_001301772 /// NM_178172	8.94E-05	0.0165665	0.0149631	1.87457	1.87457	Left Atrium up vs Right Atrium
206118_at	6775	STAT4	signal transducer and activator of transcription 4	NM_001243835 /// NM_003151 /// XM_005246817 /// XM_006712719 /// XM_011511704 /// XM_01	0.00013644	0.021704	0.0196034	1.90879	1.90879	Left Atrium up vs Right Atrium
203786_s at	7164	TPD52L1	tumor protein D52-like 1	NM_001003395 /// NM_001003396 /// NM_001003397 /// NM_001292026 /// NM_001300994 /// NM	8.21E-07	0.00055433	0.00050068	1.91836	1.91836	Left Atrium up vs Right Atrium
213201_s at	7138	TNNT1	troponin T type 1 (skeletal, slow)	NM_001126132 /// NM_001126133 /// NM_001291774 /// NM_003283 /// XM_006723343 /// XM_01	7.77E-05	0.0151632	0.0136956	1.93834	1.93834	Left Atrium up vs Right Atrium
204534_at	7448	VTN	vitronectin	NM_000638	2.92E-06	0.00145268	0.00131209	1.9528	1.9528	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

213222_at	23236	PLCB1	phospholipase C, beta 1 (phosphoinositide-specific)	NM_015192 /// NM_182734 /// XM_011529199 /// XM_011529200 /// XM_011529201 /// XM_01152	2.20E-07	0.0002355	0.00021271	1.96248	1.96248	Left Atrium up vs Right Atrium
221008_s_at	64850	ETNPPL	ethanolamine-phosphate phospholylase	NM_00114659 0 /// NM_00114662 7 /// NM_031279 /// NR_027474 /// NR_027475 /// XM_00671429	0.00014932	0.023127	0.0208887	1.96764	1.96764	Left Atrium up vs Right Atrium
206768_at	6123	RPL3L	ribosomal protein L3-like	NM_005061 /// XM_011522571	2.78E-05	0.00719613	0.00649966	2.02683	2.02683	Left Atrium up vs Right Atrium
217014_s_at	563 /// 6462	AZGP1 /// AZGP1P1	alpha-2-glycoprotein 1, zinc-binding /// alpha-2-glycoprotein 1, zinc-binding pseudogen	NM_001185 /// NR_036679	2.27E-08	3.55E-05	3.21E-05	2.03611	2.03611	Left Atrium up vs Right Atrium
205257_s_at	273	AMPH	amphiphysin	NM_001635 /// NM_139316 /// XM_006715689 /// XM_006715690 /// XM_006715691 /// XM_01151	2.16E-07	0.0002355	0.00021271	2.12721	2.12721	Left Atrium up vs Right Atrium
236302_at	22843	PPM1E	protein phosphatase, Mg2+/Mn2+ dependent, 1E	NM_014906 /// NR_048561 /// XM_005257169 /// XM_011524534	2.31E-06	0.00122441	0.0011059	2.16257	2.16257	Left Atrium up vs Right Atrium
219728_at	9499	MYOT	myotilin	NM_00113594 0 /// NM_00130091 1 /// NM_006790	1.19E-06	0.00071338	0.00064434	2.17583	2.17583	Left Atrium up vs Right Atrium
225987_at	79689	STEAP4	STEAP family member 4	NM_00120531 5 /// NM_00120531 6 /// NM_024636	3.70E-06	0.00165985	0.00149921	2.20547	2.20547	Left Atrium up vs Right Atrium
201739_at	6446	SGK1	serum/glucocorticoid regulated kinase 1	NM_00114367 6 /// NM_00114367 7 /// NM_00114367 8 /// NM_00129199 5 /// NM_005627 /// XM_01	1.32E-05	0.00426767	0.00385462	2.2104	2.2104	Left Atrium up vs Right Atrium
203980_at	2167	FABP4	fatty acid binding protein 4, adipocyte	NM_001442	5.61E-05	0.0119731	0.0108143	2.32248	2.32248	Left Atrium up vs Right Atrium
203549_s_at	4023	LPL	lipoprotein lipase	NM_000237	3.39E-06	0.00157129	0.00141922	2.50042	2.50042	Left Atrium up vs Right Atrium
203548_s_at	4023	LPL	lipoprotein lipase	NM_000237	0.00018499	0.0263391	0.0237899	2.54618	2.54618	Left Atrium up vs Right Atrium
217997_at	22822	PHLDA1	pleckstrin homology-like domain, family A, member 1	NM_007350	0.0001356	0.0216786	0.0195805	2.62243	2.62243	Left Atrium up vs Right Atrium
203184_at	2201	FBN2	fibrillin 2	NM_001999	5.37E-07	0.00043207	0.00039026	2.7019	2.7019	Left Atrium up vs Right Atrium
217996_at	22822	PHLDA1	pleckstrin homology-like domain, family A, member 1	NM_007350	0.00031346	0.0371377	0.0335434	2.76789	2.76789	Left Atrium up vs Right Atrium
221031_s_at	81575	APOLD1	apolipoprotein L domain containing 1	NM_00113041 5 /// NM_030817	4.83E-07	0.00040881	0.00036924	2.87138	2.87138	Left Atrium up vs Right Atrium

Left Atrium vs Right Atrium-Differentially Expressed Gene Lists

228399_at	130497	OSR1	odd-skipped related transcription factor 1	NM_145260 /// XM_006711942	8.61E-09	1.68E-05	1.52E-05	2.95509	2.95509	Left Atrium up vs Right Atrium
202036_s_at	6422	SFRP1	secreted frizzled-related protein 1	NM_003012	9.66E-05	0.0174259	0.0157394	2.99799	2.99799	Left Atrium up vs Right Atrium
219140_s_at	5950	RBP4	retinol binding protein 4, plasma	NM_006744	7.71E-05	0.0151178	0.0136547	3.00065	3.00065	Left Atrium up vs Right Atrium
202037_s_at	6422	SFRP1	secreted frizzled-related protein 1	NM_003012	7.10E-09	1.44E-05	1.30E-05	3.17361	3.17361	Left Atrium up vs Right Atrium
202035_s_at	6422	SFRP1	secreted frizzled-related protein 1	NM_003012	7.59E-05	0.0149743	0.013525	3.22799	3.22799	Left Atrium up vs Right Atrium
204776_at	7060	THBS4	thrombospondin 4	NM_00130621 2 /// NM_00130621 3 /// NM_00130621 4 /// NM_003248 /// XM_011543614	2.82E-09	7.35E-06	6.64E-06	3.31985	3.31985	Left Atrium up vs Right Atrium
208335_s_at	2532	ACKR1	atypical chemokine receptor 1 (Duffy blood group)	NM_00112295 1 /// NM_002036	3.10E-10	1.70E-06	1.53E-06	3.70884	3.70884	Left Atrium up vs Right Atrium
209309_at	563	AZGP1	alpha-2-glycoprotein 1, zinc-binding	NM_001185	1.01E-09	3.95E-06	3.57E-06	3.92878	3.92878	Left Atrium up vs Right Atrium
207558_s_at	5308	PITX2	paired-like homeodomain 2	NM_000325 /// NM_00120439 7 /// NM_00120439 8 /// NM_00120439 9 /// NM_153426 /// NM_15342	4.56E-10	2.27E-06	2.05E-06	3.93084	3.93084	Left Atrium up vs Right Atrium
214135_at	51208	CLDN18	claudin 18	NM_001002026 /// NM_016369	2.33E-08	3.55E-05	3.21E-05	4.53804	4.53804	Left Atrium up vs Right Atrium