

Table S2, Roth et al. 2002

Older men Before-ST	Older Women Before-ST	Older Ratio	Acc#	Gene	Young Men Before-ST	Young Women Before-ST	Young Ratio
2.456	0.450	0.183	AA598526	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	2.500	0.453	0.181
3.069	0.615	0.200	W86860	nuclear VCP-like	3.206	0.835	0.261
2.985	0.634	0.212	R48320	EphB1	2.260	0.622	0.275
3.466	0.748	0.216	R60995	coagulation factor C (Limulus polyphemus) homology (cochlin)	3.848	1.072	0.279
2.824	0.619	0.219	AA456101	phosphoinositide-3-kinase, class 3	3.378	0.555	0.164
2.091	0.462	0.221	AA449361	ring finger protein 13	2.404	0.418	0.174
3.349	0.742	0.222	AA872602	parathyroid hormone receptor 1	5.527	0.650	0.118
3.206	0.721	0.225	AA115076	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	2.363	0.574	0.243
2.291	0.585	0.255	W73144	lymphocyte cytosolic protein 1 (L-plastin)	1.825	0.458	0.251
2.432	0.639	0.263	N25204	leukemia associated gene 2	2.256	0.526	0.233
2.525	0.691	0.274	N98563	retinoic acid- and interferon-inducible protein (58kD)	3.302	0.830	0.251
2.624	0.732	0.279	N94713	intersectin 2	2.476	0.750	0.303
2.810	0.789	0.281	N34095		2.261	0.692	0.306
2.047	0.591	0.289	AA703392	H factor (complement)-like 1	1.863	0.613	0.329
2.358	0.694	0.294	AA496800	Human transposon-like element mRNA	2.338	0.614	0.263
2.437	0.729	0.299	AA419620	fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)	1.832	0.711	0.388
2.201	0.672	0.305	AA282063	polymerase (RNA) III (DNA directed) (62kD)	1.927	0.698	0.362
1.827	0.571	0.313	R76808	low density lipoprotein-related protein 2	1.677	0.504	0.301
1.784	0.559	0.313	H15431	polymerase (RNA) II (DNA directed) polypeptide D	2.110	0.493	0.234
1.393	0.443	0.318	AA449118	transcription factor 6-like 1 (mitochondrial transcription factor 1-like)	1.581	0.401	0.254
2.260	0.725	0.321	H78385	huntingtin-interacting protein 2	2.578	0.595	0.231
2.480	0.801	0.323	AA459401	kallikrein 10	1.660	0.621	0.374
1.231	0.401	0.325	AA464711	complement component 3a receptor 1	1.332	0.418	0.314
1.991	0.663	0.333	R08876	26S proteasome-associated pad1 homolog	2.932	0.581	0.198
2.479	0.833	0.336	AA458838	phorbol-12-myristate-13-acetate-induced protein 1	2.144	0.661	0.309
1.426	0.485	0.340	H17528	aryl hydrocarbon receptor nuclear translocator-like	1.561	0.496	0.318
1.789	0.627	0.351	H59861	thrombomodulin	2.299	0.688	0.299
1.776	0.627	0.353	R43325	death associated protein 3	1.703	0.544	0.319
1.406	0.501	0.356	AA452933	H2A histone family, member L	1.186	0.400	0.337
1.895	0.677	0.357	AA293192	putative nucleic acid binding protein RY-1	1.703	0.563	0.331
1.969	0.706	0.358	AA063631		1.863	0.882	0.473

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7.220	2.612	0.362	T72202	signal transducer and activator of transcription 6, interleukin-4 induced	6.990	3.474	0.497
2.005	0.730	0.364	H98666	procollagen (type III) N-endopeptidase	1.998	0.813	0.407
1.708	0.628	0.368	N62245	CDC7 (cell division cycle 7, <i>S. cerevisiae</i> , homolog)-like 1	1.741	0.629	0.361
1.735	0.639	0.368	AA088258	Human protein immuno-reactive with anti-PTH polyclonal antibodies mRNA	1.553	0.546	0.352
1.555	0.579	0.373	AA490459	transcobalamin II; macrocytic anemia	1.659	0.577	0.348
1.117	0.416	0.373	W46493	transcription factor Dp-1	1.194	0.473	0.396
2.220	0.837	0.377	R43325	death associated protein 3	1.911	0.671	0.351
2.667	1.036	0.389	AA664241	nascent-polypeptide-associated complex alpha polypeptide	2.443	0.911	0.373
8.229	3.202	0.389	AA164562	ARP3 (actin-related protein 3, yeast) homolog	7.960	3.695	0.464
1.515	0.598	0.395	AA460251	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1 (6kD, KFYI)	2.052	0.535	0.261
1.543	0.612	0.397	H68845	peroxiredoxin 2	1.378	0.404	0.293
1.727	0.685	0.397	AA046430	lung type-I cell membrane-associated glycoprotein	2.356	0.473	0.201
1.694	0.672	0.397	AA451684	CD1D antigen, d polypeptide	2.495	0.505	0.202
2.692	1.070	0.398	H50500	cytochrome P450, subfamily IIE (ethanol-inducible)	3.659	1.206	0.330
5.624	2.238	0.398	AA099394	signal sequence receptor, alpha (translocon-associated protein alpha)	4.925	1.654	0.336
2.700	1.076	0.399	AA410435	alpha thalassemia/mental retardation syndrome X-linked	2.898	1.223	0.422
2.165	0.864	0.399	H02884	cadherin 5, VE-cadherin (vascular epithelium)	2.233	0.604	0.271
1.874	0.761	0.406	AA457114	tumor necrosis factor, alpha-induced protein 2	1.879	0.779	0.414
3.232	1.326	0.410	AA418564	ESTs	3.167	1.142	0.361
4.042	1.668	0.413	H09172	dystrobrevin, alpha	5.061	1.442	0.285
2.213	0.924	0.418	N47099	MAD (mothers against decapentaplegic, <i>Drosophila</i>) homolog 2	1.602	0.628	0.392
1.366	0.571	0.418	AA443093		1.352	0.409	0.303
1.875	0.787	0.420	N94385	cartilage oligomeric matrix protein (pseudoachondroplasia, epiphyseal dysplasia 1, multiple)	1.877	0.519	0.277
2.343	0.986	0.421	W46900	GRO1 oncogene (melanoma growth stimulating activity, alpha)	2.584	0.963	0.373
7.456	3.138	0.421	AA134814	TRAF family member-associated NFKB activator	4.822	2.429	0.504
2.214	0.941	0.425	AA521026	8-oxoguanine DNA glycosylase	1.847	0.693	0.375
2.250	0.957	0.425	AA460838	general transcription factor IIH, polypeptide 3 (34kD subunit)	1.819	0.592	0.326
3.185	1.361	0.427	AA150301	adrenal gland protein AD-004	3.699	1.194	0.323
2.902	1.244	0.429	AA876054	hemochromatosis	3.981	1.183	0.297
5.886	2.533	0.430	R51346	methionine aminopeptidase; eIF-2-associated p67	5.148	2.180	0.424
3.753	1.624	0.433	R07296	ESTs	3.883	1.124	0.289
2.568	1.118	0.435	AA034250	ES1 (zebrafish) protein, human homolog of	2.626	0.838	0.319

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1.356	0.592	0.437	AA441930	Clathrin assembly lymphoid-myeloid leukemia gene	1.170	0.598	0.511
2.657	1.168	0.440	AA063637	palmitoyl-protein thioesterase 1 (ceroid-palmitoyl-palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile) neuronal 1, infantile)	2.585	0.825	0.319
2.027	0.896	0.442	R26526	basonuclin	1.832	0.866	0.473
5.267	2.362	0.448	AA488618	transcription factor CP2	4.234	2.285	0.540
2.592	1.170	0.451	AA425754	N-ethylmaleimide-sensitive factor attachment protein, alpha	2.040	1.027	0.503
1.079	0.487	0.452	W72679	highly expressed in cancer, rich in leucine heptad repeats	1.347	0.423	0.314
4.345	1.969	0.453	R44140	golgi autoantigen, golgin subfamily a, 1	3.302	1.862	0.564
1.103	0.500	0.454	N70794	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	1.747	0.569	0.326
3.682	1.670	0.454	W32272	IQ motif containing GTPase activating protein 2	3.330	1.686	0.506
1.328	0.603	0.455	AA670155	membrane component, chromosome 11, surface marker 1	1.467	0.788	0.537
3.602	1.650	0.458	AA446557	nucleolar GTPase	2.869	1.286	0.448
1.221	0.562	0.460	H17139	catenin (cadherin-associated protein), delta 2 (neural plakophilin-related arm-repeat protein)	0.918	0.506	0.551
1.197	0.553	0.462	AA669758	nucleophosmin (nucleolar phosphoprotein B23, numatrin)	1.154	0.547	0.474
3.508	1.622	0.462	AA450062	prostate differentiation factor	3.336	1.158	0.347
3.053	1.432	0.469	AA262504	eyes absent (Drosophila) homolog 3	2.888	1.135	0.393
3.356	1.594	0.475	N64508	podocalyxin-like	2.390	1.326	0.555
0.923	0.439	0.475	AA450003	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4	1.034	0.458	0.442
4.972	2.411	0.485	AA132226	heterochromatin-like protein 1	6.374	2.084	0.327
3.058	1.490	0.487	AA453176	ataxia telangiectasia and Rad3 related	2.674	1.513	0.566
4.774	2.331	0.488	AA159620	ecotropic viral integration site 2B	3.681	2.143	0.582
1.273	0.622	0.489	AA428196	POU domain, class 4, transcription factor 1	1.302	0.471	0.362
1.248	0.613	0.491	AA001376	zinc finger protein 187	1.255	0.582	0.463
1.546	0.762	0.493	AA456147	general transcription factor IIIA	1.840	0.684	0.372
3.620	1.792	0.495	AA491213	splicing factor, arginine/serine-rich 9	3.969	1.744	0.439
3.799	1.884	0.496	N50959	amine oxidase, copper containing 2 (retina-specific)	3.934	2.161	0.549
2.346	1.175	0.501	H17975	armadillo repeat gene deletes in velocardiofacial syndrome	2.810	1.093	0.389
2.364	1.186	0.502	AA136566	forkhead box M1	3.017	0.933	0.309
1.798	0.903	0.502	R93176	carbonic anhydrase I	2.806	0.771	0.275
1.583	0.795	0.502	AA460393	LIM and senescent cell antigen-like domains 1	1.410	0.661	0.469
1.235	0.621	0.503	AA291389	interferon-stimulated transcription factor 3, gamma (48kD)	2.216	0.576	0.260
3.492	1.759	0.504	AA478543	A kinase (PRKA) anchor protein (gravin) 12	3.165	1.641	0.518

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1.222	0.616	0.504	H60549	CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344)	1.336	0.503	0.377
1.964	0.991	0.504	R60723	purinergic receptor P2X, ligand-gated ion channel, 4	1.554	0.913	0.587
1.797	0.918	0.511	AA774638	casein kinase 2, beta polypeptide	1.844	0.731	0.397
2.345	1.203	0.513	R55046	MpV17 transgene, murine homolog, glomerulosclerosis	2.118	1.087	0.513
1.408	0.724	0.514	AA625995	zinc finger protein 9 (a cellular retroviral nucleic acid binding protein)	1.851	0.533	0.288
0.910	0.468	0.514	N32768	pregnancy specific beta-1-glycoprotein 3	0.815	0.437	0.537
2.279	1.177	0.516	AA029934	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	3.927	1.238	0.315
2.730	1.415	0.518	AA485653	mannosyl (alpha-1, 6-)-glycoprotein beta-1, 2-N-acetylglucosaminyltransferase	2.478	1.303	0.526
1.213	0.629	0.518	N72193	centrin, EF-hand protein, 2	1.886	0.503	0.267
1.450	0.755	0.521	AA458785	guanylate cyclase 1, soluble, beta 3	1.131	0.644	0.570
1.729	0.902	0.522	R77919	deoxyribonuclease I-like 1	1.591	0.699	0.439
0.976	0.509	0.522	H05899	heterogeneous nuclear ribonucleoprotein C (C1/C2)	1.633	0.584	0.357
1.061	0.554	0.522	N21170	FLN29 gene product	0.840	0.436	0.519
3.165	1.658	0.524	AA426341	von Hippel-Lindau binding protein 1	3.783	1.498	0.396
1.286	0.676	0.526	AA670200	procollagen C-endopeptidase enhancer	1.176	0.673	0.572
5.645	2.969	0.526	AA489383	ESTs	8.267	2.619	0.317
0.787	0.414	0.526	AA873577	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein)	0.915	0.403	0.440
4.092	2.161	0.528	AA878391	glypican 5	5.050	2.848	0.564
4.143	2.198	0.531	AA085619	ralA binding protein 1	4.597	2.391	0.520
0.858	0.455	0.531	AA404264	conserved gene amplified in osteosarcoma	0.844	0.429	0.509
9.600	5.170	0.539	AA253430	prefoldin 4	8.503	4.268	0.502
1.383	0.746	0.540	AA447632	glycoprotein M6A	1.681	0.659	0.392
1.045	0.564	0.540	AA455945	benzodiazapine receptor (peripheral)	1.305	0.521	0.400
3.200	1.729	0.540	AA187148	core-binding factor, beta subunit	3.250	1.791	0.551
1.074	0.583	0.543	R44982	putative tumor suppressor	0.882	0.425	0.482
4.020	2.195	0.546	AA085749	ATP binding protein associated with cell differentiation	3.184	1.803	0.566
4.580	2.502	0.546	AA449753	capping protein (actin filament) muscle Z-line, alpha 1	5.428	2.275	0.419
2.641	1.443	0.546	AA478480	transcription elongation factor A (SII)-like 1	2.413	1.329	0.551
1.466	0.807	0.550	AA432143	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1	1.424	0.638	0.448
2.040	1.122	0.550	R01139	ribosomal protein L10a	3.400	1.275	0.375
0.967	0.532	0.550	N62620	potassium channel, subfamily K, member 1 (TWIK-1)	1.606	0.486	0.303
2.141	1.182	0.552	AA844124	ESTs	2.200	1.290	0.586

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2.989	1.671	0.559	N28497	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	3.449	1.476	0.428
1.000	0.561	0.560	H11346	aldehyde dehydrogenase 4 (glutamate gamma-semialdehyde dehydrogenase; pyrroline-5-carboxylate dehydrogenase)	1.078	0.527	0.489
1.660	0.947	0.570	AA453293	phosphodiesterase 4B, cAMP-specific (dunce (Drosophila)-homolog phosphodiesterase E4)	1.818	0.945	0.520
1.958	1.119	0.572	W80632	Human BRCA2 region	1.676	0.804	0.480
2.191	1.253	0.572	T55560	nitrogen fixation cluster-like	2.224	1.300	0.584
1.748	1.008	0.577	AA461506	testis-specific kinase 1	1.485	0.603	0.406
0.908	0.526	0.579	AA478043	interferon regulatory factor 1	0.909	0.423	0.465
0.960	0.557	0.580	AA482243	cytochrome c oxidase subunit VIa polypeptide 1	0.932	0.516	0.554
3.473	2.033	0.585	N26062	WD40 protein Ciao1	3.145	1.803	0.573
5.265	3.088	0.586	H23187	carbonic anhydrase II	6.612	3.383	0.512
5.876	10.132	1.724	T81764	cell division cycle 27	7.140	12.273	1.719
4.235	7.400	1.747	AA873499	major histocompatibility complex, class I-like sequence	4.000	10.097	2.524
1.807	3.232	1.789	AA284693	transcription factor AP-4 (activating enhancer-binding protein 4)	1.504	3.469	2.306
5.927	10.657	1.798	AA872397	lectin, galactoside-binding, soluble, 2 (galectin 2)	6.730	11.484	1.707
5.386	9.710	1.803	AA676970	phosphoglycerate mutase 1 (brain)	4.461	9.426	2.113
4.050	7.313	1.806	AA600189	adenosine deaminase, RNA-specific	3.457	7.948	2.299
4.768	8.637	1.812	W73892	RNA binding motif protein 5	4.051	9.429	2.328
5.591	10.197	1.824	H53703	growth factor receptor-bound protein 7	4.381	9.989	2.280
6.705	12.404	1.850	AA400329	neurofilament 3 (150kD medium)	4.310	13.564	3.147
4.841	9.118	1.883	AA844818	amylase, alpha 2A; pancreatic	4.789	11.348	2.370
6.814	12.863	1.888	AA282537	MADS box transcription enhancer factor 2, polypeptide B (myocyte enhancer factor 2B)	4.998	11.658	2.333
9.387	17.844	1.901	AA455272	ITBA1 gene	6.171	16.058	2.602
2.138	4.136	1.935	AA253434	heat shock transcription factor 2	2.289	5.226	2.283
2.261	4.405	1.948	AA663310	thymidylate synthetase	2.158	4.639	2.150
8.480	16.653	1.964	AA477428	polymerase (RNA) II (DNA directed) polypeptide G	7.684	14.864	1.935
1.837	3.664	1.995	AA599177	cystatin C (amyloid angiopathy and cerebral hemorrhage)	1.525	3.348	2.195
7.260	14.795	2.038	AA463924	DNA segment on chromosome X (unique) 522 expressed sequence	6.805	13.529	1.988
5.401	11.341	2.100	AA670347	glucosidase, beta; acid, pseudogene	4.715	12.295	2.608
2.248	4.755	2.116	AA487588	ATPase, H ⁺ transporting, lysosomal (vacuolar proton pump), subunit 1	2.369	4.948	2.088
4.197	8.957	2.134	N70734	troponin T2, cardiac	4.174	10.860	2.602
3.830	8.249	2.154	AA458507	colony stimulating factor 3 receptor (granulocyte)	3.741	9.474	2.532
4.082	8.851	2.168	R91078	cytochrome P450, subfamily IIIA, polypeptide 7	3.257	8.826	2.710
3.888	8.700	2.238	N54596	insulin-like growth factor 2 (somatomedin A)	4.388	9.436	2.150

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1.392	3.212	2.308	H16958	glyceraldehyde-3-phosphate dehydrogenase	1.863	0.726	0.390
2.398	5.665	2.363	AA431832	granulin	2.679	6.649	2.482
2.168	5.132	2.368	R33154	ESTs	1.612	5.971	3.704
6.012	14.720	2.449	R79935		4.907	14.328	2.920
1.503	3.687	2.453	AA630354	D site of albumin promoter (albumin D-box) binding protein	1.665	3.670	2.204
4.786	11.830	2.472	AA599158	glutamyl-prolyl-tRNA synthetase	4.090	13.170	3.220
2.550	6.343	2.487	AA609880	solute carrier family 4, anion exchanger, member 3	2.487	5.007	2.013
3.642	9.111	2.502	AA486085	thymosin, beta 10	4.185	9.982	2.385
4.098	10.469	2.555	AA405800	dodecenoyl-Coenzyme A delta isomerase (3, 2 trans-enoyl-Coenzyme A isomerase)	5.206	12.249	2.353
1.023	2.615	2.556	AA666180	nuclear receptor subfamily 2, group F, member 6	0.860	1.802	2.095
1.406	3.674	2.614	H16958	glyceraldehyde-3-phosphate dehydrogenase	1.797	0.770	0.428
7.621	20.229	2.654	AA872001	annexin A6	10.336	22.418	2.169
7.946	21.287	2.679	N92646	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	9.413	20.591	2.187
8.454	25.460	3.012	AA291490	glucosidase I	7.136	20.824	2.918
3.437	10.693	3.111	AA443638	synuclein, gamma (breast cancer-specific protein 1)	3.078	8.948	2.907
0.654	2.113	3.230	AA486072	small inducible cytokine A5 (RANTES)	0.846	1.439	1.701
0.486	1.891	3.895	T94169	mitogen-activated protein kinase 8	0.763	1.906	2.498
3.293	13.784	4.186	AA076063	caldesmon 1	2.587	14.735	5.695
0.501	2.163	4.321	AA455925	four and a half LIM domains 1	0.522	1.143	2.190
0.716	3.589	5.009	AA478436	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2	1.348	3.063	2.272