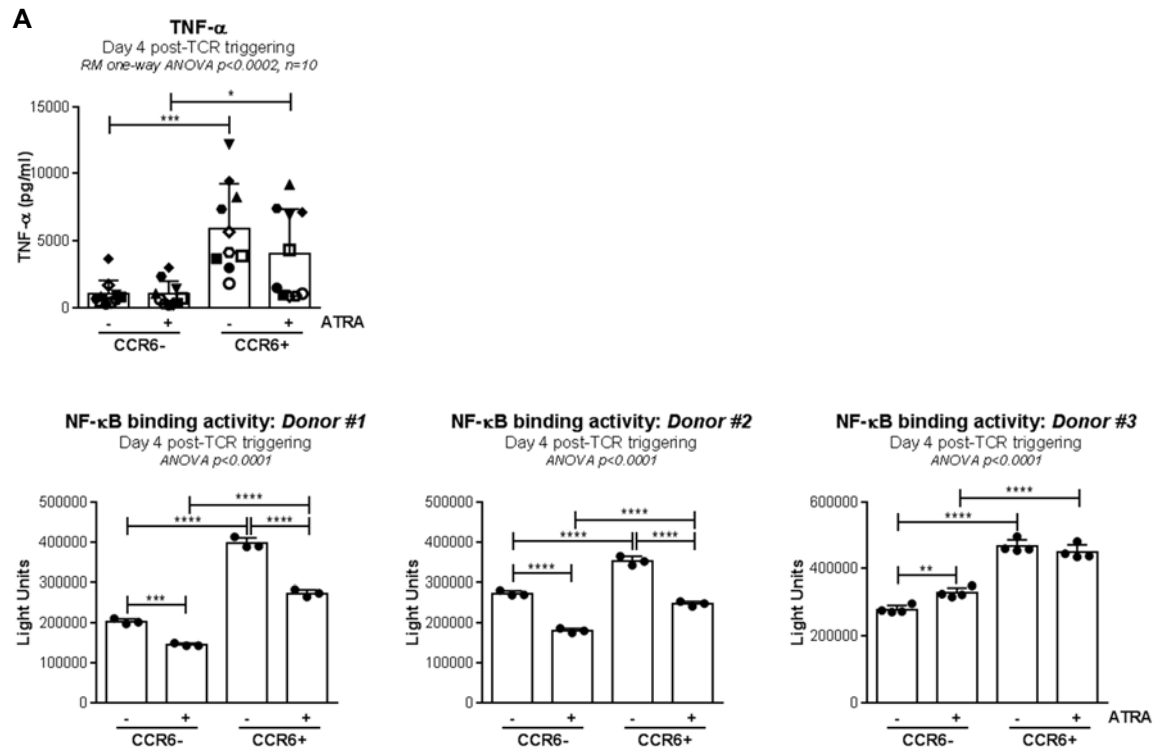
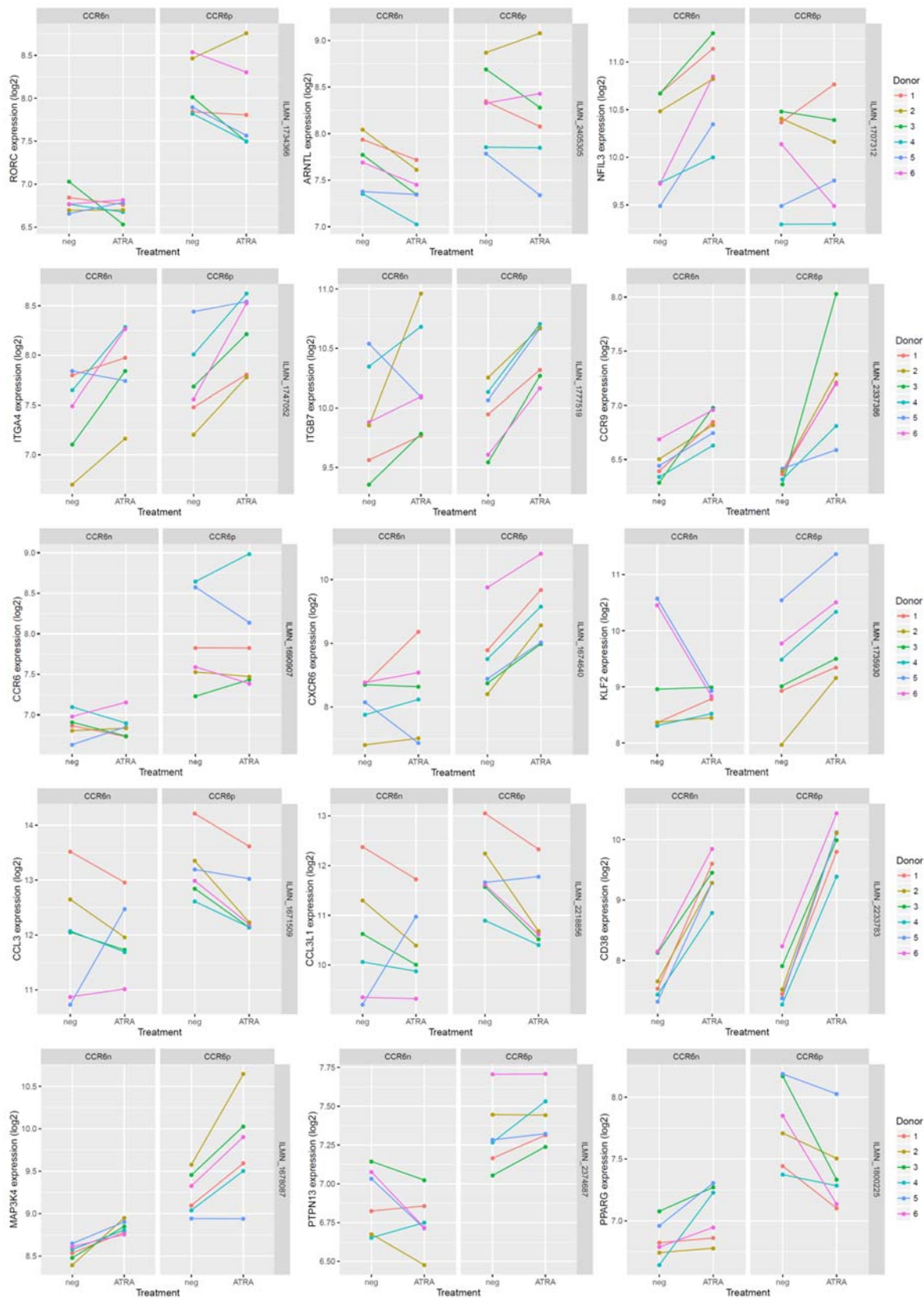


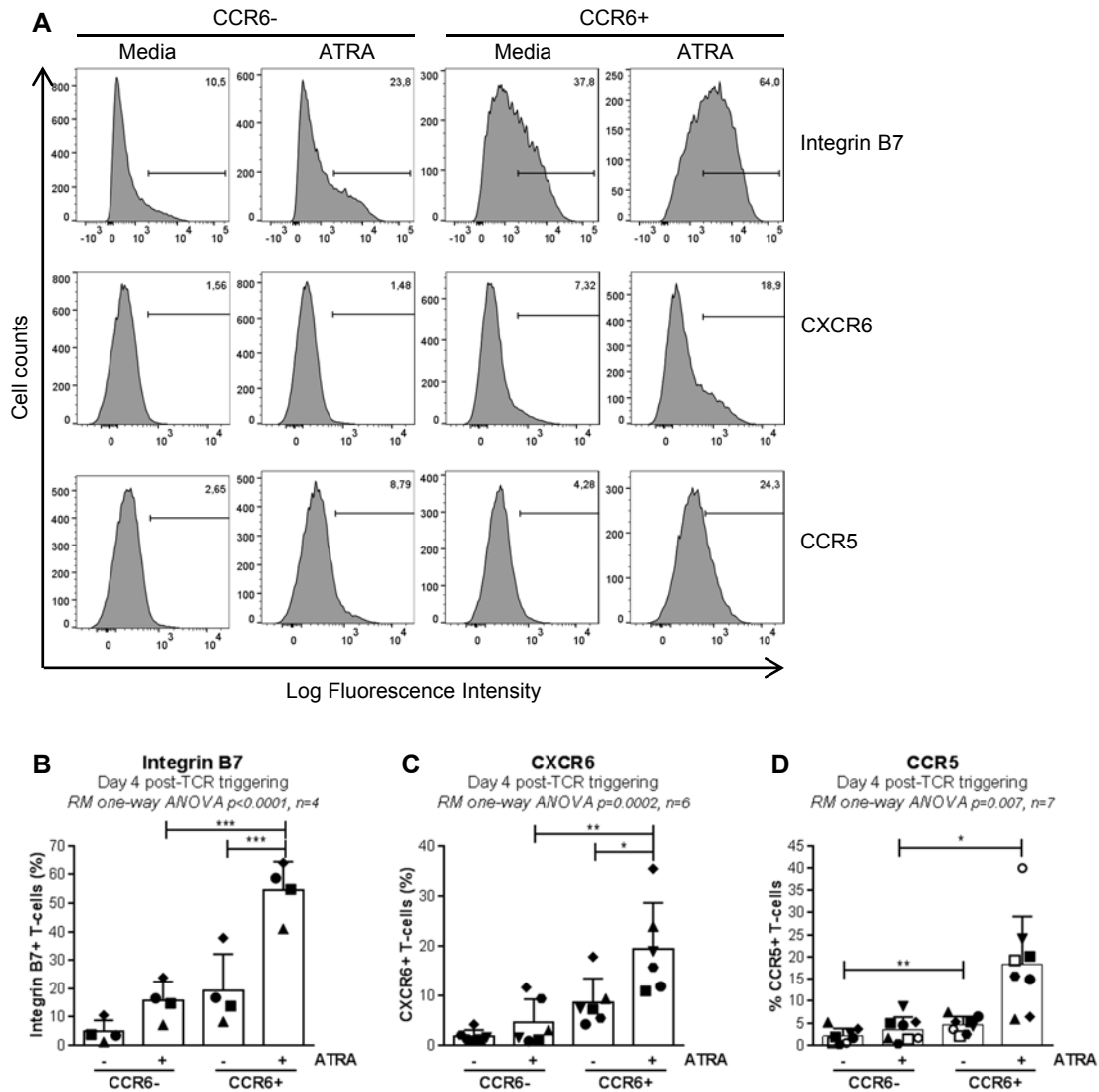
**Suppl. Figure 1: Proliferation and IL-2 production of CCR6<sup>+</sup> versus CCR6<sup>-</sup> T-cells upon exposure to ATRA.** (A-B) FACS-sorted memory CCR6<sup>+</sup> and CCR6<sup>-</sup> T-cells were loaded with CFSE (0.5  $\mu$ M) and stimulated *via* CD3/CD28 for five days in the presence/absence of ATRA (10 nM). Shown are (A) flow cytometry histograms and (B) bar graph representation of CFSE dilution (CFSE<sup>low</sup>) in n=2 independent donors; each point represent one experimental triplicate (mean $\pm$ SD of triplicate wells). (C) Levels of IL-2 were quantified by ELISA in cell culture supernatants of FACS-sorted memory CCR6<sup>+</sup> and CCR6<sup>-</sup> T-cells at day 4 post-TCR triggering in presence or absence of ATRA. Shown are results from n=2 different donors (mean $\pm$ SD). (D-G) Total memory CD4<sup>+</sup> T-cells were stimulated *via* the TCR in the presence or absence of ATRA (10 nM) for 4 days. The expression of CCR6 and CD25 was analyzed by flow cytometry. Shown are histograms from one representative donor for CCR6 expression on total memory T-cells (D) and CD25 expression on CCR6<sup>+</sup>/CCR6<sup>-</sup> T-cells (F), as well as statistical analysis on n=3 different HIV-uninfected individuals (mean $\pm$ SEM; each symbol represents one different donor) (E, G). RM one-way ANOVA p-values (G) or ordinary one-way ANOVA (B, C, D), with the significance of the Tukey's multiple comparisons test, or Paired t-Test p-values (F) are indicated on the figures. Each symbol represents one triplicate value (B) or one different donor (C, E, G).



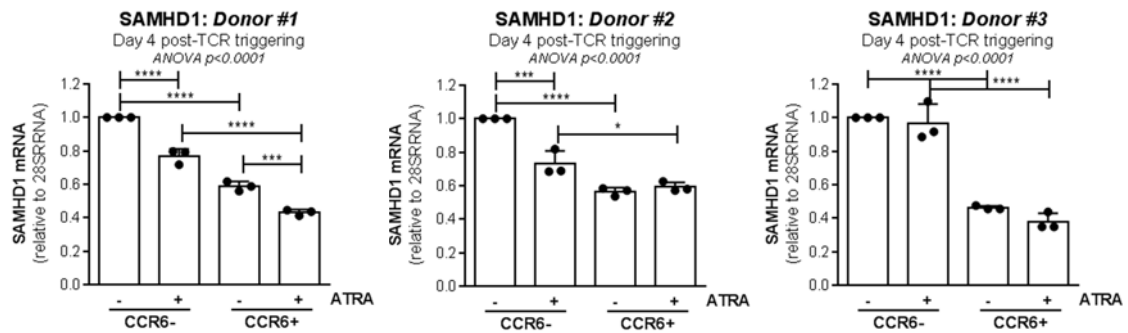
**Suppl. Figure 2: TNF- $\alpha$  production and NF- $\kappa$ B DNA-binding activity in CCR6<sup>+</sup> versus CCR6<sup>-</sup> T-cells in the presence or absence of ATRA.** Memory CCR6<sup>+</sup> and CCR6<sup>-</sup> were sorted from HIV-uninfected donors, as described in Figure 1, and stimulated for 4 days *via* CD3/CD28 in presence/absence of ATRA (10 nM). **(A)** TNF- $\alpha$  levels were measured by ELISA (mean $\pm$ SEM) in cell culture supernatants ( $n=10$ ). **(B)** Nuclear and cytoplasmic fractions were separated using the BD transfactor extraction kit. The active form of NF- $\kappa$ B-p65 was quantified in the nuclear fractions using an activity-based ELISA assay; the specificity of NF- $\kappa$ B-p65 DNA-binding activity was determined using wild type and mutated NF- $\kappa$ B-p65 duplex competitors (data not shown). Shown is the NF- $\kappa$ B-p65 DNA-binding activity in nuclear extracts ( $n=3$ ; mean $\pm$ SD of triplicate wells). RM one-way ANOVA  $p$ -values **(A)** or ordinary one-way ANOVA **(B)** with the significance of the Tukey's multiple comparisons test are indicated on the figures. Each symbol represents one different donor **(A)** or one triplicate value **(B)**.



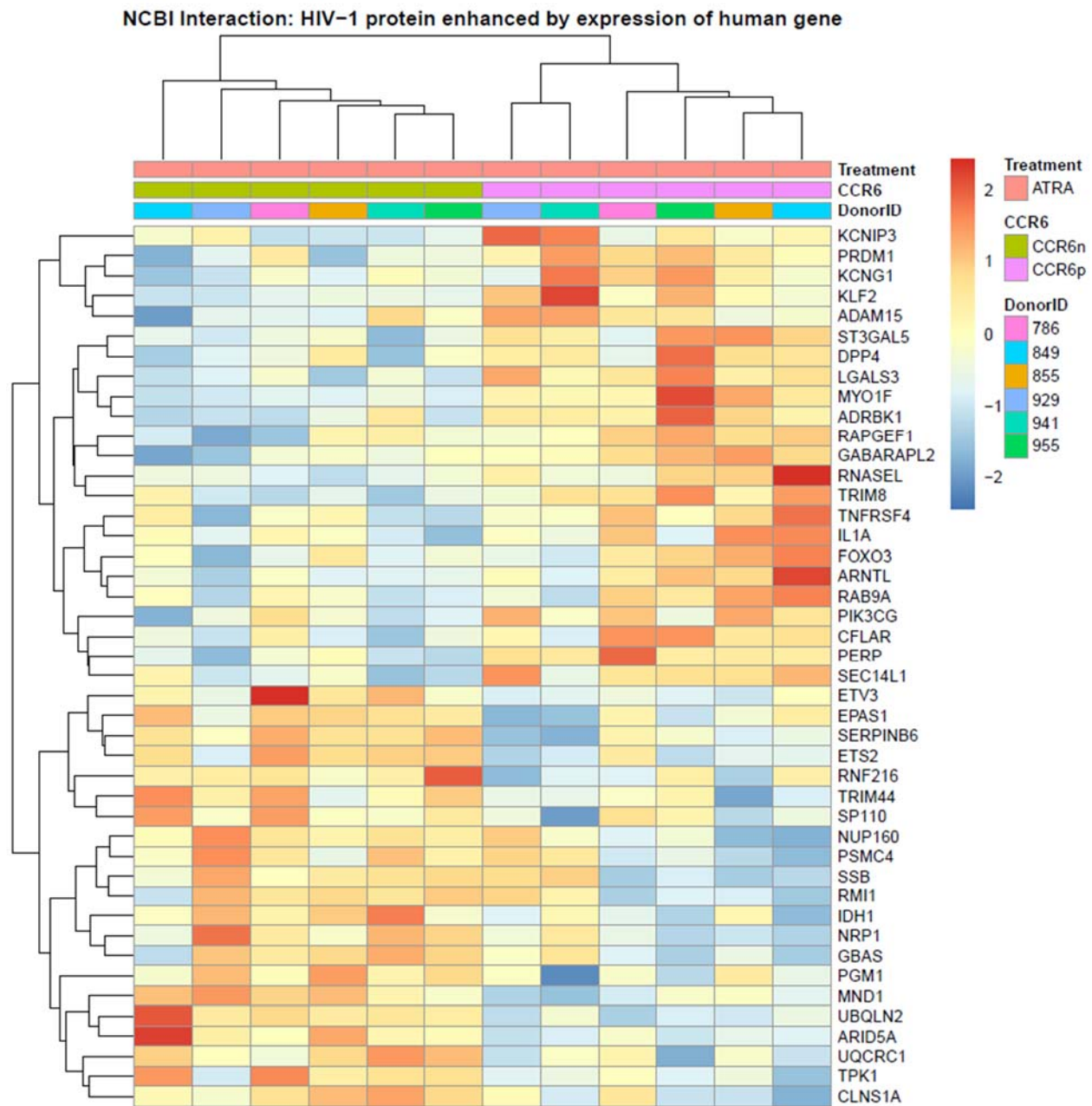
**Suppl. Figure 3: ATRA promotes differential gene expression in CCR6<sup>-</sup> and CCR6<sup>+</sup> T-cells.** Genome-wide transcriptional profiles were generated as described in Figure 3. Probe sets differentially expressed between CCR6<sup>+</sup> versus CCR6<sup>-</sup> T-cells were identified based on p-values (<0.05) and FC ratios (1.3 cut-off). Shown are line plots of Log<sub>2</sub> FC values in gene expression of n=15 selected genes. Results from each donor are indicated with a different color code (n=6).



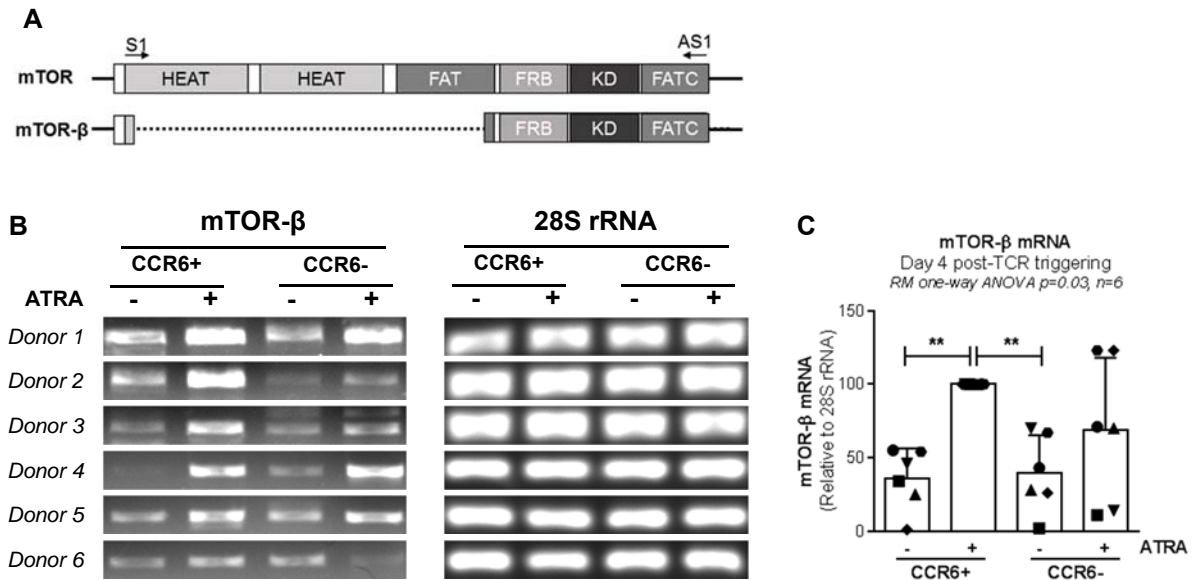
**Suppl. Figure 4: ATRA preferentially up-regulates integrin  $\beta 7$ , CXCR6, and CCR5 expression on CCR6<sup>+</sup> T-cells.** Memory CCR6<sup>+</sup> and CCR6<sup>-</sup> T cells were sorted and stimulated via CD3/CD28 in the presence/absence of ATRA (10 nM) for 4 days as described in Figure 1. The expression of integrin  $\beta 7$ , CXCR6 and CCR5 was analyzed by flow cytometry. Shown are histograms from one representative donor (A) and statistical analysis of integrin  $\beta 7$  (B,  $n = 4$ ), CXCR6 (C,  $n = 6$ ) and CCR5 (D,  $n = 7$ ) expression in different HIV-uninfected individuals (each symbol represents one different donor; mean  $\pm$  SEM). (B, C, D) RM one-way ANOVA  $p$ -values with the significance of the Tukey's multiple comparisons test are indicated on the figures. Each symbol represents one different donor.



**Suppl. Figure 5: CCR6<sup>+</sup> versus CCR6<sup>-</sup> T-cells express lower levels of SAMHD1 mRNA.** Memory CCR6<sup>+</sup> and CCR6<sup>-</sup> T cells were sorted and stimulated as described in Figure 1. Four days post-TCR-triggering, RNA from cells was extracted and SAMHD1 mRNA quantification was performed by SYBR Green real-time RT-PCR. Results were generated with cells from n=3 different HIV-uninfected individuals (mean±SD of triplicate wells). One-way ANOVA p-values and the significance of the Tukey's multiple comparisons test are indicated on the figures. Each symbol represents one triplicate value.

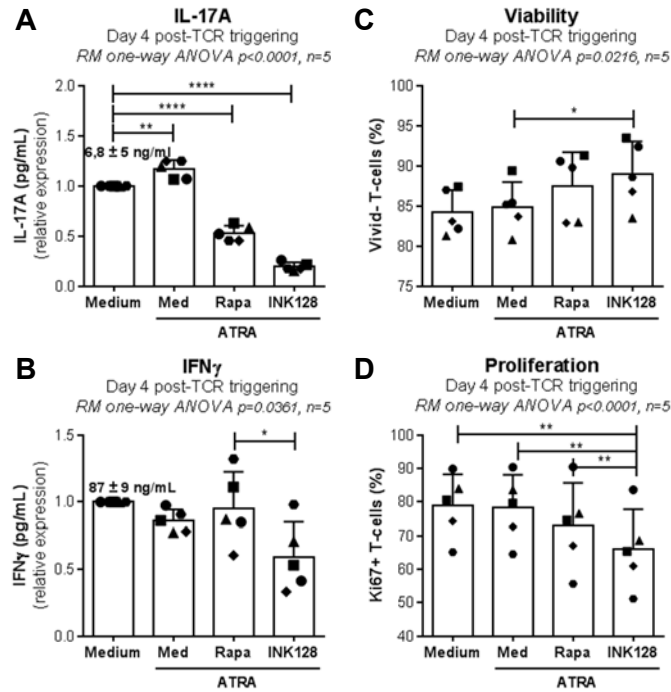


**Suppl. Figure 6:** Meta-analysis using the NCBI HIV interaction database identifying HIV-1 proteins enhanced by expression of human genes in ATRA-treated T-cells. Genome-wide transcriptional profiles were generated as described in [Figure 3](#). Differentially expressed genes between ATRA-treated CCR6<sup>+</sup> and ATRA-treated CCR6<sup>-</sup> ( $p < 0.05$ , FC cut-off 1.3) were matched to the lists of human genes previously identified to interact with HIV-1 proteins. Shown are significant probes with the smallest p-values for each overlapping gene. Heatmap cells are scaled by the expression level z-scores for each probe individually. Results from each donor are indicated with a different color code ( $n=6$ ).



**Suppl. Figure 7: Increased expression of mTOR-β mRNA in memory CCR6<sup>+</sup> T-cells upon exposure to ATRA.** **(A)** Schematic representation of domain organization of the full-length mTOR (2,549 amino-acids) and the mTOR-β splicing isoform (706 amino-acids) and the localization of primers used for semi-quantitative RT-PCR. **(B)** Memory CCR6<sup>+</sup> and CCR6<sup>-</sup> T cells were sorted and stimulated as described in Figure 1. Four days post-TCR-triggering, cells were harvested and total RNA was extracted. A set of mTOR primers previously described (S1 and AS1; Panasyuk *et al.*, JBC, 2009) to amplify the coding sequence of mTOR-β was used for semi-quantitative RT-PCR reactions. A set of primers specific for 28S rRNA were used in parallel for the normalization of mTOR-β mRNA. **(B)** Shown are levels of mTOR mRNA (left panels; 2,118 Kb) and 28S rRNA (right panels; 100 Kb), as visualized by agarose gel electrophoresis, and **(C)** statistical analysis of mTOR-β expression relative to 28S rRNA quantified by densitometry. Results were generated with cells from  $n=6$  different HIV-uninfected individuals (mean $\pm$ SEM). **(C)** RM one-way ANOVA  $p$ -values and the significance of the Tukey's multiple comparisons test are indicated on the figures. Each symbol represents one different donor.





**Suppl. Figure 8: mTOR inhibitors strongly inhibit IL-17A production without interfering with cell viability, cell cycle progression, and IFN- $\gamma$  production.** Memory CD4<sup>+</sup> T-cells were sorted and stimulated in the presence/absence of ATRA, rapamycin and/or INK128 for 4 days, as in Figure 4. **(A-B)** Levels of IL-17A and IFN- $\gamma$  were quantified in cell culture supernatants by ELISA. Shown are IL-17A **(A)** or IFN- $\gamma$  **(B)** production (mean $\pm$ SEM;  $n=5$ ) relative to memory CD4<sup>+</sup> T-cells untreated (Medium; considered as 1), with the range of IL-17A and IFN- $\gamma$  absolute values and paired t-test p-values being indicated. In parallel, cells were stained on the surface with a viability dye and intracellular using Ki67 Abs at day 4 post-stimulation. Shown are statistical analysis of **(C)** cell viability (vivid-) and **(D)** cell cycle progression (Ki67<sup>+</sup>) (mean $\pm$ SEM;  $n=5$ ). RM one-way ANOVA p-values and the significance of the Tukey's multiple comparisons test are indicated on the figures. Each symbol represents one different donor.

<b>Supplemental Table 1: Transcripts differentially expressed by CCR6+ versus CCR6- T-cells upon TCR triggering in the absence of ATRA</b>				
<b>ProbeID</b>	<b>SYMBOL</b>	<b>FC</b>	<b>adj.P</b>	<b>Definition</b>
4220246	CCL20	11,9	2E-13	Homo sapiens chemokine (C-C motif) ligand 20 (CCL20), mRNA.
730753	IL22	10,6	3E-10	Homo sapiens interleukin 22 (IL22), mRNA.
5360682	IL17F	9,9	2E-04	Homo sapiens interleukin 17F (IL17F), mRNA.
6590332	IL22	6,9	1E-08	Homo sapiens interleukin 22 (IL22), mRNA.
1980288	CTSH	6,2	4E-15	Homo sapiens cathepsin H (CTSH), transcript variant 1, mRNA.
6200019	KLRB1	4,6	4E-06	Homo sapiens killer cell lectin-like receptor subfamily B, member 1 (KLRB1), mRNA.
4670162	CTSH	4,2	2E-13	Homo sapiens cathepsin H (CTSH), transcript variant 1, mRNA.
540670	IL4I1	4,0	2E-10	Homo sapiens interleukin 4 induced 1 (IL4I1), transcript variant 2, mRNA.
630725	IFNG	3,1	1E-04	Homo sapiens interferon, gamma (IFNG), mRNA.
1980309	IL8	3,0	7E-04	Homo sapiens interleukin 8 (IL8), mRNA.
70551	IQCG	3,0	3E-05	Homo sapiens IQ motif containing G (IQCG), mRNA.
1110180	RORA	2,7	8E-05	Homo sapiens RAR-related orphan receptor A (RORA), transcript variant 3, mRNA.
2750196	CSF2	2,7	8E-04	Homo sapiens colony stimulating factor 2 (granulocyte-macrophage) (CSF2), mRNA.
6550008	IL26	2,6	7E-07	Homo sapiens interleukin 26 (IL26), mRNA.
610524	CCL3L1	2,6	5E-03	Homo sapiens chemokine (C-C motif) ligand 3-like 1 (CCL3L1), mRNA.
5490768	GPR56	2,5	1E-03	Homo sapiens G protein-coupled receptor 56 (GPR56), transcript variant 3, mRNA.
1570553	IL8	2,5	7E-04	Homo sapiens interleukin 8 (IL8), mRNA.
4250053	CCL3L1	2,5	2E-03	Homo sapiens chemokine (C-C motif) ligand 3-like 1 (CCL3L1), mRNA.
5360064	GNLY	2,5	2E-03	Homo sapiens granulysin (GNLY), transcript variant 519, mRNA.
4070091	RORC	2,5	6E-07	Homo sapiens RAR-related orphan receptor C (RORC), transcript variant 2, mRNA.
4890241	GPR56	2,5	2E-03	Homo sapiens G protein-coupled receptor 56 (GPR56), transcript variant 2, mRNA.
2000129	TMPRSS6	2,4	2E-02	Homo sapiens transmembrane protease, serine 6 (TMPRSS6), mRNA.
3780053	PALLD	2,3	2E-04	Homo sapiens palladin, cytoskeletal associated protein (PALLD), transcript variant 2, mRNA.
2810010	CCL3L3	2,3	4E-03	Homo sapiens chemokine (C-C motif) ligand 3-like 3 (CCL3L3), mRNA.
7200703	KAT2B	2,3	5E-08	Homo sapiens K(lysine) acetyltransferase 2B (KAT2B), mRNA.
6590682	CCL3	2,3	4E-03	Homo sapiens chemokine (C-C motif) ligand 3 (CCL3), mRNA.
6560201	LOC728835	2,3	1E-02	PREDICTED: Homo sapiens similar to cytokine, transcript variant 3 (LOC728835), mRNA.
6370356	EEF1A2	2,3	2E-02	Homo sapiens eukaryotic translation elongation factor 1 alpha 2 (EEF1A2), mRNA.
6400564	HS.560343	2,2	2E-04	Homo sapiens mRNA; cDNA DKFZp686M2414 (from clone DKFZp686M2414)
6580041	GNLY	2,2	1E-02	Homo sapiens granulysin (GNLY), transcript variant NKG5, mRNA.
840386	TNFRSF18	2,1	8E-03	Homo sapiens tumor necrosis factor receptor superfamily, member 18 (TNFRSF18), transcript variant 2, mRNA.
630161	RCAN2	2,1	5E-04	Homo sapiens regulator of calcineurin 2 (RCAN2), mRNA.
4390450	SGK	2,1	2E-03	Homo sapiens serum/glucocorticoid regulated kinase (SGK), mRNA.
10685	ANTXR2	2,1	1E-05	Homo sapiens anthrax toxin receptor 2 (ANTXR2), mRNA.
5860093	NLF2	2,1	5E-04	PREDICTED: Homo sapiens nuclear localized factor 2 (NLF2), mRNA.

2970575	CCL4L2	2,0	1E-02	Homo sapiens chemokine (C-C motif) ligand 4-like 2 (CCL4L2), mRNA.
5890470	CCR6	2,0	6E-04	Homo sapiens chemokine (C-C motif) receptor 6 (CCR6), transcript variant 2, mRNA.
1410209	SGK1	2,0	2E-03	Homo sapiens serum/glucocorticoid regulated kinase 1 (SGK1), transcript variant 1, mRNA.
4890553	RORC	1,9	3E-06	Homo sapiens RAR-related orphan receptor C (RORC), transcript variant 2, mRNA.
1570484	ATF5	1,9	1E-03	Homo sapiens activating transcription factor 5 (ATF5), mRNA.
520066	TNFRSF18	1,9	1E-02	Homo sapiens tumor necrosis factor receptor superfamily, member 18 (TNFRSF18), transcript variant 3, mRNA.
830019	PPARG	1,9	3E-06	Homo sapiens peroxisome proliferator-activated receptor gamma (PPARG), transcript variant 2, mRNA.
670255	GADD45A	1,9	1E-02	Homo sapiens growth arrest and DNA-damage-inducible, alpha (GADD45A), mRNA.
2030324	SGK1	1,9	3E-03	Homo sapiens serum/glucocorticoid regulated kinase 1 (SGK1), transcript variant 1, mRNA.
5290040	TNFRSF4	1,9	3E-03	Homo sapiens tumor necrosis factor receptor superfamily, member 4 (TNFRSF4), mRNA.
3800019	NCR3	1,9	3E-04	Homo sapiens natural cytotoxicity triggering receptor 3 (NCR3), mRNA.
1230201	CTLA4	1,9	3E-03	Homo sapiens cytotoxic T-lymphocyte-associated protein 4 (CTLA4), transcript variant 1, mRNA.
2680189	LAG3	1,9	3E-02	Homo sapiens lymphocyte-activation gene 3 (LAG3), mRNA.
5670040	ELOVL6	1,9	1E-05	Homo sapiens ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast), mRNA.
3940435	EMP1	1,9	2E-04	Homo sapiens epithelial membrane protein 1 (EMP1), mRNA.
5420091	LTB	1,9	6E-04	Homo sapiens lymphotoxin beta (TNF superfamily, member 3) (LTB), transcript variant 1, mRNA.
4880673	GADD45A	1,9	1E-02	Homo sapiens growth arrest and DNA-damage-inducible, alpha (GADD45A), mRNA.
7380273	GPR114	1,9	2E-04	Homo sapiens G protein-coupled receptor 114 (GPR114), mRNA.
4010768	CTLA4	1,9	5E-03	Homo sapiens cytotoxic T-lymphocyte-associated protein 4 (CTLA4), transcript variant 1, mRNA.
6770673	SOCS2	1,8	5E-04	Homo sapiens suppressor of cytokine signaling 2 (SOCS2), mRNA.
4220068	CD70	1,8	1E-05	Homo sapiens CD70 molecule (CD70), mRNA.
7050019	VIM	1,8	2E-04	Homo sapiens vimentin (VIM), mRNA.
870630	CA2	1,8	2E-04	Homo sapiens carbonic anhydrase II (CA2), mRNA.
5420377	LGALS3	1,8	1E-04	Homo sapiens lectin, galactoside-binding, soluble, 3 (galectin 3) (LGALS3), mRNA.
3140088	IL23R	1,8	1E-05	Homo sapiens interleukin 23 receptor (IL23R), mRNA.
4490673	TWIST1	1,8	4E-04	Homo sapiens twist homolog 1 (Drosophila) (TWIST1), mRNA.
270068	SMOX	1,8	9E-04	Homo sapiens spermine oxidase (SMOX), transcript variant 4, mRNA.
2230379	NAMPT	1,8	9E-03	Homo sapiens nicotinamide phosphoribosyltransferase (NAMPT), mRNA.
4250678	MGC16121	1,8	8E-03	PREDICTED: Homo sapiens hypothetical protein MGC16121 (MGC16121), mRNA.
5700753	CEACAM1	1,8	2E-05	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1), transcript variant 2, mRNA.
4220468	ATP1B1	1,8	3E-02	Homo sapiens ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 1 polypeptide (ATP1B1), transcript variant 2, mRNA.
520553	NCALD	1,8	6E-03	Homo sapiens neurocalcin delta (NCALD), transcript variant 3, mRNA.
7560273	ZBTB32	1,8	1E-02	Homo sapiens zinc finger and BTB domain containing 32 (ZBTB32), mRNA.
3290008	ERN1	1,8	1E-02	Homo sapiens endoplasmic reticulum to nucleus signalling 1 (ERN1), transcript variant 2, mRNA.
610332	CHN1	1,8	2E-04	Homo sapiens chimerin (chimaerin) 1 (CHN1), transcript variant 2, mRNA.
2030687	C3ORF59	1,8	2E-04	Homo sapiens chromosome 3 open reading frame 59 (C3orf59), mRNA.
3710553	SMOX	1,7	4E-04	Homo sapiens spermine oxidase (SMOX), transcript variant 2, mRNA.

650328	TNFRSF4	1,7	6E-04	Homo sapiens tumor necrosis factor receptor superfamily, member 4 (TNFRSF4), mRNA.
6060482	ATP1B1	1,7	8E-03	Homo sapiens ATPase, Na+/K+ transporting, beta 1 polypeptide (ATP1B1), transcript variant 1, mRNA.
1030743	LTA	1,7	1E-02	Homo sapiens lymphotoxin alpha (TNF superfamily, member 1) (LTA), transcript variant 2, mRNA.
770682	MGC29506	1,7	1E-03	Homo sapiens hypothetical protein MGC29506 (MGC29506), mRNA.
4180452	ATP1B1	1,7	1E-02	Homo sapiens ATPase, Na+/K+ transporting, beta 1 polypeptide (ATP1B1), transcript variant 1, mRNA.
7210170	DSE	1,7	3E-03	Homo sapiens dermatan sulfate epimerase (DSE), transcript variant 1, mRNA.
6510026	IL23A	1,7	4E-02	Homo sapiens interleukin 23, alpha subunit p19 (IL23A), mRNA.
3140520	TMOD1	1,7	3E-02	Homo sapiens tropomodulin 1 (TMOD1), mRNA.
2570402	KIF5C	1,7	2E-04	Homo sapiens kinesin family member 5C (KIF5C), mRNA.
380019	DDIT4L	1,7	2E-02	Homo sapiens DNA-damage-inducible transcript 4-like (DDIT4L), mRNA.
60093	NCALD	1,7	1E-02	Homo sapiens neurocalcin delta (NCALD), mRNA.
4780128	ATF3	1,7	2E-02	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 4, mRNA.
610270	ELL2	1,7	7E-05	Homo sapiens elongation factor, RNA polymerase II, 2 (ELL2), mRNA.
6520180	IL18RAP	1,7	3E-02	Homo sapiens interleukin 18 receptor accessory protein (IL18RAP), mRNA.
6660382	CDKN1A	1,7	2E-03	Homo sapiens cyclin-dependent kinase inhibitor 1A (p21, Cip1) (CDKN1A), transcript variant 1, mRNA.
1470762	AUTS2	1,7	6E-06	Homo sapiens autism susceptibility candidate 2 (AUTS2), mRNA.
5900725	PHLDA1	1,7	4E-03	Homo sapiens pleckstrin homology-like domain, family A, member 1 (PHLDA1), mRNA.
7650524	BCAT1	1,7	2E-02	Homo sapiens branched chain aminotransferase 1, cytosolic (BCAT1), mRNA.
5860356	PTPRM	1,7	5E-04	Homo sapiens protein tyrosine phosphatase, receptor type, M (PTPRM), mRNA.
1230070	NDRG1	1,6	3E-02	Homo sapiens N-myc downstream regulated gene 1 (NDRG1), mRNA.
6650722	IL23R	1,6	7E-05	Homo sapiens interleukin 23 receptor (IL23R), mRNA.
830593	VIM	1,6	3E-04	Homo sapiens vimentin (VIM), mRNA.
5810136	SLAMF1	1,6	2E-03	Homo sapiens signaling lymphocytic activation molecule family member 1 (SLAMF1), mRNA.
4830255	DPP4	1,6	2E-03	Homo sapiens dipeptidyl-peptidase 4 (DPP4), mRNA.
2750367	PMAIP1	1,6	3E-02	Homo sapiens phorbol-12-myristate-13-acetate-induced protein 1 (PMAIP1), mRNA.
2060674	CA2	1,6	2E-03	Homo sapiens carbonic anhydrase II (CA2), mRNA.
7160010	RNF19A	1,6	3E-02	Homo sapiens ring finger protein 19A (RNF19A), transcript variant 2, mRNA.
6400333	CTLA4	1,6	1E-02	Homo sapiens cytotoxic T-lymphocyte-associated protein 4 (CTLA4), transcript variant 1, mRNA.
2810767	EBI3	1,6	2E-02	Homo sapiens Epstein-Barr virus induced 3 (EBI3), mRNA.
1980672	IL1A	1,6	9E-03	Homo sapiens interleukin 1, alpha (IL1A), mRNA.
7320731	MAP3K4	1,6	3E-03	Homo sapiens mitogen-activated protein kinase kinase kinase 4 (MAP3K4), transcript variant 1, mRNA.
5310053	LTB	1,6	1E-02	Homo sapiens lymphotoxin beta (TNF superfamily, member 3) (LTB), transcript variant 1, mRNA.
7550112	CITED2	1,6	2E-04	Homo sapiens Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2, transcript variant 1, mRNA.
5860204	FKBP11	1,6	2E-04	Homo sapiens FK506 binding protein 11, 19 kDa (FKBP11), mRNA.
6550333	CXCR6	1,6	3E-02	Homo sapiens chemokine (C-X-C motif) receptor 6 (CXCR6), mRNA.
450674	C10ORF128	1,6	1E-02	PREDICTED: Homo sapiens chromosome 10 open reading frame 128, transcript variant 5 (C10orf128), mRNA.
3890138	MTMR11	1,6	2E-02	Homo sapiens myotubularin related protein 11 (MTMR11), mRNA.

2070037	ICOS	1,6	7E-05	Homo sapiens inducible T-cell co-stimulator (ICOS), mRNA.
4260386	CTSL1	1,6	4E-02	Homo sapiens cathepsin L1 (CTSL1), transcript variant 2, mRNA.
2760544	PBX4	1,6	2E-02	Homo sapiens pre-B-cell leukemia homeobox 4 (PBX4), mRNA.
2640301	TNF	1,6	3E-03	Homo sapiens tumor necrosis factor (TNF superfamily, member 2) (TNF), mRNA.
1770114	PDE4D	1,6	3E-02	Homo sapiens phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila) (PDE4D), mRNA.
5670424	GNA15	1,6	5E-03	Homo sapiens guanine nucleotide binding protein (G protein), alpha 15 (Gq class) (GNA15), mRNA.
10332	HIPK2	1,6	4E-04	Homo sapiens homeodomain interacting protein kinase 2 (HIPK2), mRNA.
5910523	LMO4	1,6	2E-04	Homo sapiens LIM domain only 4 (LMO4), mRNA.
1440437	LOC151162	1,6	1E-05	Homo sapiens hypothetical LOC151162 (LOC151162), non-coding RNA.
4670193	PRF1	1,6	1E-02	Homo sapiens perforin 1 (pore forming protein) (PRF1), transcript variant 1, mRNA.
3930750	IRAK2	1,6	2E-02	Homo sapiens interleukin-1 receptor-associated kinase 2 (IRAK2), mRNA.
2070039	INSIG2	1,6	2E-02	Homo sapiens insulin induced gene 2 (INSIG2), mRNA.
4210397	GLDC	1,6	1E-02	Homo sapiens glycine dehydrogenase (decarboxylating) (GLDC), mRNA.
2450554	RBPJ	1,6	2E-04	Homo sapiens recombination signal binding protein for immunoglobulin kappa J region (RBPJ), transcript variant 4, mRNA.
7510377	MSC	1,6	1E-02	Homo sapiens musculin (activated B-cell factor-1) (MSC), mRNA.
3850246	HOPX	1,6	4E-02	Homo sapiens HOP homeobox (HOPX), transcript variant 3, mRNA.
1690692	SOCS2	1,6	3E-03	Homo sapiens suppressor of cytokine signaling 2 (SOCS2), mRNA.
3120370	CD68	1,6	4E-02	Homo sapiens CD68 antigen (CD68), mRNA.
6220746	GLIPR1	1,6	9E-03	Homo sapiens GLI pathogenesis-related 1 (GLIPR1), mRNA.
2100296	NAPSA	1,6	2E-02	Homo sapiens napsin A aspartic peptidase (NAPSA), mRNA.
5860722	MIR155HG	1,6	2E-02	Homo sapiens MIR155 host gene (non-protein coding) (MIR155HG), non-coding RNA.
7380181	ELOVL6	1,6	4E-05	Homo sapiens ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast), mRNA.
3060523	NAMPT	1,5	4E-02	Homo sapiens nicotinamide phosphoribosyltransferase (NAMPT), mRNA.
6220288	PRDM1	1,5	4E-03	Homo sapiens PR domain containing 1, with ZNF domain (PRDM1), transcript variant 1, mRNA.
7380255	ARAP3	1,5	2E-03	Homo sapiens ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 3 (ARAP3), mRNA.
6040626	CA9	1,5	2E-02	Homo sapiens carbonic anhydrase IX (CA9), mRNA.
380672	ZC3H12C	1,5	1E-03	Homo sapiens zinc finger CCCH-type containing 12C (ZC3H12C), mRNA.
5670367	PHLDA1	1,5	3E-02	Homo sapiens pleckstrin homology-like domain, family A, member 1 (PHLDA1), mRNA.
3310142	TTC39C	1,5	2E-03	Homo sapiens tetratricopeptide repeat domain 39C (TTC39C), mRNA.
3190133	FTHL12	1,5	1E-02	Homo sapiens ferritin, heavy polypeptide-like 12 (FTHL12) on chromosome 9.
7150519	ARNTL	1,5	6E-03	Homo sapiens aryl hydrocarbon receptor nuclear translocator-like (ARNTL), transcript variant 2, mRNA.
4150520	RIPK2	1,5	3E-03	Homo sapiens receptor-interacting serine-threonine kinase 2 (RIPK2), mRNA.
5570114	GADD45G	1,5	4E-03	Homo sapiens growth arrest and DNA-damage-inducible, gamma (GADD45G), mRNA.
5220240	FTH1	1,5	3E-03	Homo sapiens ferritin, heavy polypeptide 1 (FTH1), mRNA.
6480630	ATP9A	1,5	3E-02	Homo sapiens ATPase, class II, type 9A (ATP9A), mRNA.
990719	HS.579530	1,5	8E-03	AGENCOURT_14354957 NIH_MGC_191 Homo sapiens cDNA clone IMAGE:30413554 5, mRNA sequence
7570673	UPP1	1,5	2E-02	Homo sapiens uridine phosphorylase 1 (UPP1), transcript variant 1, mRNA.

4730181	FTHL12	1,5	3E-02	Homo sapiens ferritin, heavy polypeptide-like 12 (FTHL12) on chromosome 9.
3460008	TMEM173	1,5	4E-04	Homo sapiens transmembrane protein 173 (TMEM173), nuclear gene encoding mitochondrial protein, mRNA.
1470520	CMTM6	1,5	6E-04	Homo sapiens CKLF-like MARVEL transmembrane domain containing 6 (CMTM6), mRNA.
3060128	CHSY1	1,5	4E-03	Homo sapiens chondroitin sulfate synthase 1 (CHSY1), mRNA.
6510689	HABP4	1,5	4E-04	Homo sapiens hyaluronan binding protein 4 (HABP4), mRNA.
4540086	LOC100129066	1,5	2E-03	Homo sapiens hypothetical LOC100129066 (LOC100129066), non-coding RNA.
1470465	DUSP16	1,5	3E-02	Homo sapiens dual specificity phosphatase 16 (DUSP16), mRNA.
1030102	RGS16	1,5	7E-03	Homo sapiens regulator of G-protein signalling 16 (RGS16), mRNA.
7570408	CCL5	1,5	4E-02	Homo sapiens chemokine (C-C motif) ligand 5 (CCL5), mRNA.
1230048	ABCB1	1,5	4E-04	Homo sapiens ATP-binding cassette, sub-family B (MDR/TAP), member 1 (ABCB1), mRNA.
4220767	SMAD7	1,5	2E-04	Homo sapiens SMAD family member 7 (SMAD7), mRNA.
1820328	FERMT2	1,5	1E-03	Homo sapiens fermitin family homolog 2 (Drosophila) (FERMT2), mRNA.
2480577	PDE4B	1,5	3E-04	Homo sapiens phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila) (PDE4B)
5390161	DUSP5	1,5	4E-02	Homo sapiens dual specificity phosphatase 5 (DUSP5), mRNA.
3610730	KCNN4	1,5	1E-02	Homo sapiens potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4 (KCNN4), mRNA.
6180427	G0S2	1,5	2E-02	Homo sapiens G0/G1switch 2 (G0S2), mRNA.
940504	RUNX2	1,5	4E-02	Homo sapiens runt-related transcription factor 2 (RUNX2), transcript variant 1, mRNA.
4120039	FTHL2	1,5	3E-02	Homo sapiens ferritin, heavy polypeptide-like 2 (FTHL2) on chromosome 1.
6180070	FTHL11	1,5	2E-02	Homo sapiens ferritin, heavy polypeptide-like 11 (FTHL11) on chromosome 8.
270408	P4HA2	1,5	4E-02	Homo sapiens prolyl 4-hydroxylase, alpha polypeptide II (P4HA2), transcript variant 3, mRNA.
3290458	FEZ1	1,5	8E-03	Homo sapiens fasciculation and elongation protein zeta 1 (zygin I) (FEZ1), transcript variant 1, mRNA.
450553	AHNAK	1,5	3E-02	Homo sapiens AHNAK nucleoprotein (AHNAK), transcript variant 1, mRNA.
3450092	PELI1	1,5	4E-02	Homo sapiens pellino homolog 1 (Drosophila) (PELI1), mRNA.
450538	RBPJ	1,5	1E-02	Homo sapiens recombination signal binding protein for immunoglobulin kappa J region (RBPJ), transcript variant 1, mRNA.
4150189	CTSL1	1,5	5E-02	Homo sapiens cathepsin L1 (CTSL1), transcript variant 1, mRNA.
5560338	IVNS1ABP	1,5	5E-03	Homo sapiens influenza virus NS1A binding protein (IVNS1ABP), mRNA.
430019	LOC391045	1,5	4E-02	PREDICTED: Homo sapiens similar to Solute carrier family 2, facilitated glucose transporter member 3
2650193	SDC4	1,5	2E-03	Homo sapiens syndecan 4 (SDC4), mRNA.
7160609	WDR51B	1,5	2E-03	Homo sapiens WD repeat domain 51B (WDR51B), mRNA.
4780615	ANXA2	1,5	4E-02	Homo sapiens annexin A2 (ANXA2), transcript variant 1, mRNA.
5690397	LOC642590	1,5	3E-03	PREDICTED: Homo sapiens misc_RNA (LOC642590), miscRNA.
540706	HLF	1,5	3E-02	Homo sapiens hepatic leukemia factor (HLF), mRNA.
1470593	LST1	1,5	1E-04	Homo sapiens leukocyte specific transcript 1 (LST1), transcript variant 5, mRNA.
1450193	LGALS1	1,5	4E-02	Homo sapiens lectin, galactoside-binding, soluble, 1 (LGALS1), mRNA.
3990224	TNFRSF25	1,5	1E-02	Homo sapiens tumor necrosis factor receptor superfamily, member 25 (TNFRSF25), transcript variant 10, mRNA.
4250192	HS.576633	1,5	9E-03	BX447862 Homo sapiens T CELLS (JURKAT CELL LINE) Homo sapiens cDNA clone CS0DH002YG04 3-PRIME
5490070	TGFBR2	1,5	2E-03	Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 1, mRNA.

2230367	CERK	1,5	1E-03	Homo sapiens ceramide kinase (CERK), transcript variant 1, mRNA.
4860280	HS.37648	1,5	3E-04	Homo sapiens cDNA FLJ31407 fis, clone NT2NE2000137
6580402	LOC646463	1,5	1E-02	PREDICTED: Homo sapiens similar to Ubiquitin-conjugating enzyme E2 H (Ubiquitin-protein ligase H)
6620392	LFNG	1,5	3E-03	Homo sapiens LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase (LFNG), transcript variant 1, mRNA.
7570367	GPR65	1,5	1E-02	Homo sapiens G protein-coupled receptor 65 (GPR65), mRNA.
1070451	ANXA5	1,5	4E-05	Homo sapiens annexin A5 (ANXA5), mRNA.
6020523	PPP2R2B	1,5	8E-03	Homo sapiens protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform (PPP2R2B), transcript variant 4, mRNA.
5860348	SC4MOL	1,5	8E-03	Homo sapiens sterol-C4-methyl oxidase-like (SC4MOL), transcript variant 2, mRNA.
240653	TM6SF1	1,5	2E-02	Homo sapiens transmembrane 6 superfamily member 1 (TM6SF1), mRNA.
1510364	GBP5	1,5	3E-02	Homo sapiens guanylate binding protein 5 (GBP5), mRNA.
670161	CAST	1,5	1E-02	Homo sapiens calpastatin (CAST), transcript variant 11, mRNA.
3310692	SPRY1	1,5	2E-02	Homo sapiens sprouty homolog 1, antagonist of FGF signaling (Drosophila) (SPRY1), transcript variant 2, mRNA.
4120689	FES	1,5	4E-02	Homo sapiens feline sarcoma oncogene (FES), mRNA.
7210450	LMO4	1,5	7E-03	Homo sapiens LIM domain only 4 (LMO4), mRNA.
4280435	LST1	1,5	9E-04	Homo sapiens leukocyte specific transcript 1 (LST1), transcript variant 4, mRNA.
7610187	ATF4	1,5	3E-03	Homo sapiens activating transcription factor 4 (tax-responsive enhancer element B67) (ATF4), transcript variant 2, mRNA.
6560091	TGFBR2	1,5	3E-03	Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 1, mRNA.
3460142	SH2D2A	1,4	4E-03	Homo sapiens SH2 domain protein 2A (SH2D2A), mRNA.
5270112	HMGCS1	1,4	2E-02	Homo sapiens 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble) (HMGCS1), transcript variant 2, mRNA.
4150201	BCL2	1,4	4E-02	Homo sapiens B-cell CLL/lymphoma 2 (BCL2), nuclear gene encoding mitochondrial protein, transcript variant alpha, mRNA.
5390661	VLDLR	1,4	2E-02	Homo sapiens very low density lipoprotein receptor (VLDLR), transcript variant 2, mRNA.
2230113	TANK	1,4	2E-03	Homo sapiens TRAF family member-associated NFKB activator (TANK), transcript variant 1, mRNA.
2000239	LOC100134728	1,4	3E-02	PREDICTED: Homo sapiens similar to LOC392621 (LOC100134728), mRNA.
4900747	C11ORF75	1,4	5E-04	Homo sapiens chromosome 11 open reading frame 75 (C11orf75), mRNA.
6450139	FTHL3	1,4	4E-02	Homo sapiens ferritin, heavy polypeptide-like 3 (FTHL3), non-coding RNA.
1240553	SESN1	1,4	4E-02	Homo sapiens sestrin 1 (SESN1), mRNA.
580706	CCR2	1,4	2E-02	Homo sapiens chemokine (C-C motif) receptor 2 (CCR2), transcript variant A, mRNA.
4040187	C6ORF190	1,4	5E-02	Homo sapiens chromosome 6 open reading frame 190 (C6orf190), mRNA.
4150014	CEACAM1	1,4	5E-03	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1)
6760546	TIPARP	1,4	1E-02	Homo sapiens TCDD-inducible poly(ADP-ribose) polymerase (TIPARP), mRNA.
3060692	CERK	1,4	6E-03	Homo sapiens ceramide kinase (CERK), transcript variant 2, mRNA.
2350398	H2AFB1	1,4	5E-05	Homo sapiens H2A histone family, member B1 (H2AFB1), mRNA.
6200692	FOXO3	1,4	2E-02	Homo sapiens forkhead box O3 (FOXO3), transcript variant 2, mRNA.
2190452	PIM3	1,4	3E-02	PREDICTED: Homo sapiens pim-3 oncogene (PIM3), mRNA.
6860196	WIPF1	1,4	4E-04	Homo sapiens WAS/WASL interacting protein family, member 1 (WIPF1), transcript variant 2, mRNA.
110433	ASS1	1,4	4E-02	Homo sapiens argininosuccinate synthetase 1 (ASS1), transcript variant 1, mRNA.
5690291	LOC642590	1,4	1E-04	PREDICTED: Homo sapiens misc_RNA (LOC642590), miscRNA.

6840475	HS.397465	1,4	1E-03	Homo sapiens mRNA; cDNA DKFZp686F1546 (from clone DKFZp686F1546)
650241	IER5	1,4	1E-02	Homo sapiens immediate early response 5 (IER5), mRNA.
990735	RNF149	1,4	2E-03	Homo sapiens ring finger protein 149 (RNF149), mRNA.
1260523	CYTIP	1,4	2E-03	Homo sapiens cytohesin 1 interacting protein (CYTIP), mRNA.
2030286	JMY	1,4	5E-03	Homo sapiens junction mediating and regulatory protein, p53 cofactor (JMY), mRNA.
4280228	IVNS1ABP	1,4	5E-03	Homo sapiens influenza virus NS1A binding protein (IVNS1ABP), mRNA.
1190026	APOBEC3G	1,4	2E-02	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G (APOBEC3G), mRNA.
1030463	PROK2	1,4	3E-02	Homo sapiens prokineticin 2 (PROK2), mRNA.
3940390	TBXAS1	1,4	2E-02	Homo sapiens thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A) (TBXAS1)
4560193	CD44	1,4	3E-03	Homo sapiens CD44 molecule (Indian blood group) (CD44), transcript variant 5, mRNA.
650112	LST1	1,4	2E-02	Homo sapiens leukocyte specific transcript 1 (LST1), transcript variant 1, mRNA.
3870706	FURIN	1,4	2E-02	Homo sapiens furin (paired basic amino acid cleaving enzyme) (FURIN), mRNA.
3130301	PIM1	1,4	7E-03	Homo sapiens pim-1 oncogene (PIM1), mRNA.
7400133	CUGBP2	1,4	1E-03	Homo sapiens CUG triplet repeat, RNA binding protein 2 (CUGBP2), transcript variant 3, mRNA.
5360736	HABP4	1,4	4E-03	Homo sapiens hyaluronan binding protein 4 (HABP4), mRNA.
4610180	PIK3C2B	1,4	6E-03	Homo sapiens phosphoinositide-3-kinase, class 2, beta polypeptide (PIK3C2B), mRNA.
520278	FAM100B	1,4	2E-02	Homo sapiens family with sequence similarity 100, member B (FAM100B), mRNA.
940041	TWSG1	1,4	1E-03	Homo sapiens twisted gastrulation homolog 1 (Drosophila) (TWSG1), mRNA.
3360112	TMEM2	1,4	2E-03	Homo sapiens transmembrane protein 2 (TMEM2), mRNA.
2000646	B4GALT4	1,4	7E-03	Homo sapiens UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 4 (B4GALT4), transcript variant 2, mRNA.
1410181	SAMSN1	1,4	2E-02	Homo sapiens SAM domain, SH3 domain and nuclear localization signals 1 (SAMSN1), mRNA.
4040754	PERP	1,4	8E-04	Homo sapiens PERP, TP53 apoptosis effector (PERP), mRNA.
6250100	CSNK1E	1,4	5E-03	Homo sapiens casein kinase 1, epsilon (CSNK1E), transcript variant 1, mRNA.
3800465	FAM174B	1,4	2E-02	Homo sapiens family with sequence similarity 174, member B (FAM174B), mRNA.
4640446	FHL1	1,4	3E-03	Homo sapiens four and a half LIM domains 1 (FHL1), mRNA.
5080021	BIRC3	1,4	5E-02	Homo sapiens baculoviral IAP repeat-containing 3 (BIRC3), transcript variant 1, mRNA.
270338	TRAT1	1,4	1E-02	Homo sapiens T cell receptor associated transmembrane adaptor 1 (TRAT1), mRNA.
1260193	RAB11FIP5	1,4	3E-02	Homo sapiens RAB11 family interacting protein 5 (class I) (RAB11FIP5), mRNA.
6110291	RDX	1,4	2E-02	Homo sapiens radixin (RDX), mRNA.
1110373	C15ORF48	1,4	4E-02	Homo sapiens chromosome 15 open reading frame 48 (C15orf48), transcript variant 2, mRNA.
2060047	B4GALT5	1,4	8E-03	Homo sapiens UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5 (B4GALT5), mRNA.
3940703	RORA	1,4	5E-03	Homo sapiens RAR-related orphan receptor A (RORA), transcript variant 3, mRNA.
3800202	LOC390530	1,4	3E-02	PREDICTED: Homo sapiens similar to Ig heavy chain V-I region HG3 precursor (LOC390530), mRNA.
3400598	WIPI1	1,4	2E-02	Homo sapiens WD repeat domain, phosphoinositide interacting 1 (WIPI1), mRNA.
4760056	ELOVL4	1,4	2E-04	Homo sapiens elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4 (ELOVL4), mRNA.
1090292	BMI1	1,4	5E-03	Homo sapiens BMI1 polycomb ring finger oncogene (BMI1), mRNA.
1850437	UBR5	1,4	3E-02	Homo sapiens ubiquitin protein ligase E3 component n-recognin 5 (UBR5), mRNA.



3180494	BCL2	1,4	5E-02	Homo sapiens B-cell CLL/lymphoma 2 (BCL2), nuclear gene encoding mitochondrial protein, transcript variant alpha, mRNA.
3130358	HS.25892	1,4	2E-02	Homo sapiens cDNA FLJ38860 fis, clone MESAN2011977
1240593	CFLAR	1,4	5E-02	Homo sapiens CASP8 and FADD-like apoptosis regulator (CFLAR), mRNA.
6900630	ATP2B4	1,4	6E-03	Homo sapiens ATPase, Ca <sup>++</sup> transporting, plasma membrane 4 (ATP2B4), transcript variant 2, mRNA.
4150639	RBMS1	1,4	2E-03	Homo sapiens RNA binding motif, single stranded interacting protein 1 (RBMS1), transcript variant 3, mRNA.
2490195	S100A10	1,4	3E-02	Homo sapiens S100 calcium binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11)) (S100A10), mRNA.
7510719	TRAF3IP2	1,4	4E-02	Homo sapiens TRAF3 interacting protein 2 (TRAF3IP2), transcript variant 2, mRNA.
2640255	LOC641848	1,4	9E-03	PREDICTED: Homo sapiens similar to ribosomal protein S3a (LOC641848), mRNA.
7550500	JUNB	1,4	5E-02	Homo sapiens jun B proto-oncogene (JUNB), mRNA.
290468	EIF2C2	1,4	4E-02	Homo sapiens eukaryotic translation initiation factor 2C, 2 (EIF2C2), mRNA.
4860068	STX1A	1,4	4E-02	Homo sapiens syntaxin 1A (brain) (STX1A), mRNA.
4920053	BTG3	1,4	1E-02	Homo sapiens BTG family, member 3 (BTG3), mRNA.
2750685	LOC392437	1,4	3E-02	PREDICTED: Homo sapiens misc_RNA (LOC392437), miscRNA.
3890193	CLIC4	1,4	2E-02	Homo sapiens chloride intracellular channel 4 (CLIC4), nuclear gene encoding mitochondrial protein, mRNA.
6220593	MGAT4A	1,4	4E-03	Homo sapiens mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A (MGAT4A)
1980044	ZFC3H1	1,4	1E-02	Homo sapiens zinc finger, C3H1-type containing (ZFC3H1), mRNA.
4120369	APOBEC3G	1,4	3E-02	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G (APOBEC3G), mRNA.
2680670	HS.415576	1,4	8E-04	Homo sapiens cDNA FLJ25252 fis, clone STM03814
4590370	SLC2A1	1,4	1E-02	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 1 (SLC2A1), mRNA.
5870482	KDM5B	1,4	1E-02	Homo sapiens lysine (K)-specific demethylase 5B (KDM5B), mRNA.
2490537	TNFRSF1B	1,4	2E-03	Homo sapiens tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B), mRNA.
5290136	LOC283953	1,4	3E-02	PREDICTED: Homo sapiens hypothetical LOC283953 (LOC283953), mRNA.
2060291	STOM	1,4	5E-02	Homo sapiens stomatin (STOM), transcript variant 1, mRNA.
2640377	PGCP	1,4	8E-03	Homo sapiens plasma glutamate carboxypeptidase (PGCP), mRNA.
4570398	F2R	1,4	2E-02	Homo sapiens coagulation factor II (thrombin) receptor (F2R), mRNA.
730528	PLAUR	1,4	3E-02	Homo sapiens plasminogen activator, urokinase receptor (PLAUR), transcript variant 1, mRNA.
6100482	ATP2B4	1,4	2E-02	Homo sapiens ATPase, Ca <sup>++</sup> transporting, plasma membrane 4 (ATP2B4), transcript variant 1, mRNA.
940673	PACAP	1,4	4E-02	Homo sapiens proapoptotic caspase adaptor protein (PACAP), mRNA.
6040554	WDR67	1,4	1E-02	Homo sapiens WD repeat domain 67 (WDR67), mRNA.
1740136	SLC38A2	1,4	4E-02	Homo sapiens solute carrier family 38, member 2 (SLC38A2), mRNA.
4480446	LOC654350	1,4	2E-02	PREDICTED: Homo sapiens similar to rat ribosomal protein L9 homologue (LOC654350), mRNA.
4880397	ZBTB17	1,4	5E-02	Homo sapiens zinc finger and BTB domain containing 17 (ZBTB17), mRNA.
1770730	SPAG9	1,4	2E-02	Homo sapiens sperm associated antigen 9 (SPAG9), mRNA.
5960670	ARID3B	1,4	4E-03	Homo sapiens AT rich interactive domain 3B (BRIGHT-like) (ARID3B), mRNA.
50332	MDFIC	1,4	4E-02	Homo sapiens MyoD family inhibitor domain containing (MDFIC), mRNA.
2060037	ZBTB43	1,3	5E-02	Homo sapiens zinc finger and BTB domain containing 43 (ZBTB43), mRNA.
7210259	ANAPC1	1,3	1E-02	Homo sapiens anaphase promoting complex subunit 1 (ANAPC1), mRNA.

7330044	DYNLT3	1,3	2E-02	Homo sapiens dynein, light chain, Tctex-type 3 (DYNLT3), mRNA.
1470014	LOC124220	1,3	3E-02	Homo sapiens similar to common salivary protein 1 (LOC124220), mRNA.
4670059	ZAK	1,3	3E-03	Homo sapiens sterile alpha motif and leucine zipper containing kinase AZK (ZAK), transcript variant 2, mRNA.
7040431	PRDM8	1,3	1E-02	Homo sapiens PR domain containing 8 (PRDM8), transcript variant 1, mRNA.
4260309	MAST4	1,3	8E-03	Homo sapiens microtubule associated serine/threonine kinase family member 4 (MAST4), transcript variant 2, mRNA.
2940451	RAB9A	1,3	2E-02	Homo sapiens RAB9A, member RAS oncogene family (RAB9A), mRNA.
830164	ZFP36L1	1,3	5E-02	Homo sapiens zinc finger protein 36, C3H type-like 1 (ZFP36L1), mRNA.
2680386	PSCDBP	1,3	2E-02	Homo sapiens pleckstrin homology, Sec7 and coiled-coil domains, binding protein (PSCDBP), mRNA.
2640224	VEGFA	1,3	1E-02	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 2, mRNA.
1580520	PTPN13	1,3	1E-02	Homo sapiens protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase) (PTPN13)
5960465	BUB3	1,3	5E-02	Homo sapiens BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast) (BUB3), transcript variant 1, mRNA.
6580408	CTSW	1,3	2E-02	Homo sapiens cathepsin W (CTSW), mRNA.
670286	CDK6	1,3	2E-02	Homo sapiens cyclin-dependent kinase 6 (CDK6), mRNA.
6760619	ASMTL	1,3	1E-02	Homo sapiens acetylserotonin O-methyltransferase-like (ASMTL), mRNA.
7050619	LRRFIP2	1,3	5E-02	Homo sapiens leucine rich repeat (in FLII) interacting protein 2 (LRRFIP2), transcript variant 2, mRNA.
1440324	PPARG	1,3	4E-03	Homo sapiens peroxisome proliferator-activated receptor gamma (PPARG), transcript variant 1, mRNA.
6860411	ST7	1,3	3E-02	Homo sapiens suppression of tumorigenicity 7 (ST7), transcript variant a, mRNA.
6040097	ARAP3	1,3	3E-03	Homo sapiens ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 3 (ARAP3), mRNA.
7200286	HS.529631	1,3	3E-03	Homo sapiens cDNA FLJ38251 fis, clone FCBBF3000184
4570575	ST7	1,3	2E-02	Homo sapiens suppression of tumorigenicity 7 (ST7), transcript variant a, mRNA.
7320551	LYN	1,3	8E-03	Homo sapiens v-yes-1 Yamaguchi sarcoma viral related oncogene homolog (LYN), mRNA.
4250670	SLC43A3	1,3	3E-02	Homo sapiens solute carrier family 43, member 3 (SLC43A3), mRNA.
6400632	RTTN	1,3	4E-02	Homo sapiens rotatin (RTTN), mRNA.
2060477	AGPAT9	1,3	2E-02	Homo sapiens 1-acylglycerol-3-phosphate O-acyltransferase 9 (AGPAT9), mRNA.
5080487	GRPEL2	1,3	2E-03	Homo sapiens GrpE-like 2, mitochondrial (E. coli) (GRPEL2), nuclear gene encoding mitochondrial protein, mRNA.
2640551	CMPK1	1,3	2E-02	Homo sapiens cytidine monophosphate (UMP-CMP) kinase 1, cytosolic (CMPK1), mRNA.
4290082	LOC646786	1,3	4E-03	PREDICTED: Homo sapiens similar to Afadin (AF-6 protein) (LOC646786), mRNA.
1570747	LINGO4	1,3	1E-02	Homo sapiens leucine rich repeat and Ig domain containing 4 (LINGO4), mRNA.
1300192	ARL4C	1,3	5E-02	Homo sapiens ADP-ribosylation factor-like 4C (ARL4C), mRNA.
2480450	GALM	1,3	3E-02	Homo sapiens galactose mutarotase (aldose 1-epimerase) (GALM), mRNA.
6550209	KIF2A	1,3	3E-02	Homo sapiens kinesin heavy chain member 2A (KIF2A), mRNA.
3520370	MSI2	1,3	3E-02	Homo sapiens musashi homolog 2 (Drosophila) (MSI2), transcript variant 1, mRNA.
1240228	PAG1	1,3	3E-02	Homo sapiens phosphoprotein associated with glycosphingolipid microdomains 1 (PAG1), mRNA.
450382	LOC441073	1,3	4E-02	PREDICTED: Homo sapiens misc_RNA (LOC441073), miscRNA.
4490341	SMS	1,3	4E-03	Homo sapiens spermine synthase (SMS), mRNA.
1980523	PSCDBP	1,3	2E-02	Homo sapiens pleckstrin homology, Sec7 and coiled-coil domains, binding protein (PSCDBP), mRNA.
7510209	LOC646347	1,3	2E-02	PREDICTED: Homo sapiens misc_RNA (LOC646347), miscRNA.

2570435	LETMD1	1,3	3E-02	Homo sapiens LETM1 domain containing 1 (LETMD1), transcript variant 1, mRNA.
4220431	EXT1	1,3	1E-03	Homo sapiens exostoses (multiple) 1 (EXT1), mRNA.
60634	FAM18B	1,3	4E-02	Homo sapiens family with sequence similarity 18, member B (FAM18B), mRNA.
3360279	CFH	1,3	6E-04	Homo sapiens complement factor H (CFH), transcript variant 2, mRNA.
2230097	TNFRSF25	1,3	2E-02	Homo sapiens tumor necrosis factor receptor superfamily, member 25 (TNFRSF25), transcript variant 12, mRNA.
3060609	PTPN13	1,3	5E-03	Homo sapiens protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase) (PTPN13)
7000059	LOC642828	1,3	4E-02	PREDICTED: Homo sapiens misc_RNA (LOC642828), miscRNA.
4280113	NFKBIA	1,3	1E-02	Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (NFKBIA), mRNA.
610379	APOBEC3F	1,3	4E-02	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3F (APOBEC3F), transcript variant 2, mRNA.
4200196	TNFAIP8	1,3	2E-02	Homo sapiens tumor necrosis factor, alpha-induced protein 8 (TNFAIP8), transcript variant 2, mRNA.
2710341	PRNP	1,3	3E-02	Homo sapiens prion protein (PRNP), transcript variant 2, mRNA.
5290270	S100A4	1,3	5E-02	Homo sapiens S100 calcium binding protein A4 (S100A4), transcript variant 2, mRNA.
2810315	S100A6	1,3	3E-02	Homo sapiens S100 calcium binding protein A6 (S100A6), mRNA.
2630546	FOXO3	1,3	3E-02	Homo sapiens forkhead box O3 (FOXO3), transcript variant 2, mRNA.
540156	PVRL3	1,3	1E-02	Homo sapiens poliovirus receptor-related 3 (PVRL3), mRNA.
2030767	CD48	1,3	2E-02	Homo sapiens CD48 molecule (CD48), mRNA.
1780273	ALOX5	1,3	2E-02	PREDICTED: Homo sapiens arachidonate 5-lipoxygenase (ALOX5), mRNA.
3990368	PPP1CA	-1,3	3E-02	Homo sapiens protein phosphatase 1, catalytic subunit, alpha isoform (PPP1CA), transcript variant 3, mRNA.
2710402	ZCCHC14	-1,3	2E-02	Homo sapiens zinc finger, CCHC domain containing 14 (ZCCHC14), mRNA.
3460066	ROBLD3	-1,3	6E-03	Homo sapiens roadblock domain containing 3 (ROBLD3), mRNA.
4590064	CDK2	-1,3	3E-03	Homo sapiens cyclin-dependent kinase 2 (CDK2), transcript variant 1, mRNA.
2320189	PTP4A2	-1,3	2E-02	Homo sapiens protein tyrosine phosphatase type IVA, member 2 (PTP4A2), transcript variant 2, mRNA.
1470753	PIK3R1	-1,3	4E-02	Homo sapiens phosphoinositide-3-kinase, regulatory subunit 1 (alpha) (PIK3R1), transcript variant 1, mRNA.
1570725	APOA1BP	-1,3	4E-02	Homo sapiens apolipoprotein A-I binding protein (APOA1BP), mRNA.
6660112	HS.564504	-1,3	1E-02	BX096603 Soares_testis_NHT Homo sapiens cDNA clone IMAGp998H151782, mRNA sequence
6200064	CECR1	-1,3	3E-02	Homo sapiens cat eye syndrome chromosome region, candidate 1 (CECR1), transcript variant 2, mRNA.
2070170	UBE2L6	-1,3	1E-02	Homo sapiens ubiquitin-conjugating enzyme E2L 6 (UBE2L6), transcript variant 1, mRNA.
3130291	C12ORF57	-1,3	3E-02	Homo sapiens chromosome 12 open reading frame 57 (C12orf57), mRNA.
1740504	MCRS1	-1,3	4E-02	Homo sapiens microspherule protein 1 (MCRS1), transcript variant 1, mRNA.
1230470	RHOU	-1,3	2E-02	Homo sapiens ras homolog gene family, member U (RHOU), mRNA.
1580719	THADA	-1,3	2E-02	Homo sapiens thyroid adenoma associated (THADA), transcript variant 1, mRNA.
6560468	INTS9	-1,3	2E-02	Homo sapiens integrator complex subunit 9 (INTS9), mRNA.
2760242	TIAM1	-1,3	4E-02	Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1), mRNA.
6770343	ETFB	-1,3	1E-02	Homo sapiens electron-transfer-flavoprotein, beta polypeptide (ETFB), transcript variant 2, mRNA.
6660626	BRD3	-1,3	2E-02	Homo sapiens bromodomain containing 3 (BRD3), mRNA.
4050411	CABLES1	-1,3	4E-02	Homo sapiens Cdk5 and Abl enzyme substrate 1 (CABLES1), transcript variant 1, mRNA.
6400630	NAGPA	-1,3	5E-02	Homo sapiens N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase (NAGPA), mRNA.

1850546	FAM102A	-1,3	1E-02	Homo sapiens family with sequence similarity 102, member A (FAM102A), transcript variant 1, mRNA.
6110025	FHL2	-1,3	2E-02	Homo sapiens four and a half LIM domains 2 (FHL2), transcript variant 4, mRNA.
4250048	CMTM7	-1,3	1E-02	Homo sapiens CKLF-like MARVEL transmembrane domain containing 7 (CMTM7), transcript variant 1, mRNA.
6400619	BCL9	-1,3	1E-02	Homo sapiens B-cell CLL/lymphoma 9 (BCL9), mRNA.
7330180	AUH	-1,3	4E-03	Homo sapiens AU RNA binding protein/enoyl-Coenzyme A hydratase (AUH), nuclear gene encoding mitochondrial protein
5260035	LGALS14	-1,3	3E-02	Homo sapiens lectin, galactoside-binding, soluble, 14 (LGALS14), transcript variant 1, mRNA.
730156	ICAM2	-1,3	3E-02	Homo sapiens intercellular adhesion molecule 2 (ICAM2), transcript variant 1, mRNA.
150692	SLC26A6	-1,3	1E-02	Homo sapiens solute carrier family 26, member 6 (SLC26A6), transcript variant 3, mRNA.
20491	UBE2F	-1,3	1E-02	Homo sapiens ubiquitin-conjugating enzyme E2F (putative) (UBE2F), mRNA.
4060041	MYST1	-1,3	2E-02	Homo sapiens MYST histone acetyltransferase 1 (MYST1), transcript variant 1, mRNA.
5670154	FBLN7	-1,3	1E-02	Homo sapiens fibulin 7 (FBLN7), mRNA.
4480504	ZNF828	-1,3	2E-02	Homo sapiens zinc finger protein 828 (ZNF828), mRNA.
3190288	LYL1	-1,3	1E-02	Homo sapiens lymphoblastic leukemia derived sequence 1 (LYL1), mRNA.
2640341	FKBP5	-1,3	3E-02	Homo sapiens FK506 binding protein 5 (FKBP5), mRNA.
990288	FHL2	-1,3	1E-02	Homo sapiens four and a half LIM domains 2 (FHL2), transcript variant 2, mRNA.
5340561	ACAD9	-1,3	4E-02	Homo sapiens acyl-Coenzyme A dehydrogenase family, member 9 (ACAD9), mRNA.
4260139	AKR1B1	-1,3	4E-02	Homo sapiens aldo-keto reductase family 1, member B1 (aldose reductase) (AKR1B1), mRNA.
6560672	HNRPR	-1,3	2E-02	Homo sapiens heterogeneous nuclear ribonucleoprotein R (HNRPR), mRNA.
1470427	ALDH4A1	-1,3	2E-02	Homo sapiens aldehyde dehydrogenase 4 family, member A1 (ALDH4A1), nuclear gene encoding mitochondrial protein
5960253	TRMT5	-1,3	4E-02	Homo sapiens TRM5 tRNA methyltransferase 5 homolog (S. cerevisiae) (TRMT5), mRNA.
3390328	GPC2	-1,3	3E-03	Homo sapiens glypican 2 (GPC2), mRNA.
1740487	BPHL	-1,3	7E-03	Homo sapiens biphenyl hydrolase-like (serine hydrolase) (BPHL), mRNA.
4920561	MB	-1,3	5E-02	Homo sapiens myoglobin (MB), transcript variant 1, mRNA.
2450762	IKBKE	-1,3	3E-03	Homo sapiens inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon (IKBKE), mRNA.
5690576	TBCB	-1,3	3E-02	Homo sapiens tubulin folding cofactor B (TBCB), mRNA.
4540064	C17ORF70	-1,3	5E-02	Homo sapiens chromosome 17 open reading frame 70 (C17orf70), mRNA.
870497	CCNE1	-1,3	2E-02	Homo sapiens cyclin E1 (CCNE1), transcript variant 2, mRNA.
4780224	STMN3	-1,3	2E-02	Homo sapiens stathmin-like 3 (STMN3), mRNA.
6840100	C11ORF51	-1,3	2E-02	Homo sapiens chromosome 11 open reading frame 51 (C11orf51), mRNA.
3990026	CCNE1	-1,3	2E-02	Homo sapiens cyclin E1 (CCNE1), transcript variant 1, mRNA.
6180440	PSMC4	-1,3	3E-02	Homo sapiens proteasome (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4), transcript variant 1, mRNA.
1470598	PARP3	-1,3	4E-04	Homo sapiens poly (ADP-ribose) polymerase family, member 3 (PARP3), transcript variant 2, mRNA.
4260682	NASP	-1,3	3E-02	Homo sapiens nuclear autoantigenic sperm protein (histone-binding) (NASP), transcript variant 2, mRNA.
2070131	CCNE1	-1,3	2E-02	Homo sapiens cyclin E1 (CCNE1), transcript variant 2, mRNA.
5550037	CNN2	-1,3	1E-03	Homo sapiens calponin 2 (CNN2), transcript variant 2, mRNA.
1340521	YWHAB	-1,3	4E-02	Homo sapiens tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide (YWHAB)
2630563	SLC39A14	-1,4	5E-02	Homo sapiens solute carrier family 39 (zinc transporter), member 14 (SLC39A14), mRNA.

6660161	RNF144A	-1,4	7E-03	Homo sapiens ring finger protein 144A (RNF144A), mRNA.
130497	LOC729486	-1,4	2E-02	PREDICTED: Homo sapiens similar to Interleukin-9 receptor precursor (IL-9R) (CD129 antigen) (LOC729486), mRNA.
3940471	CCDC106	-1,4	4E-02	Homo sapiens coiled-coil domain containing 106 (CCDC106), mRNA.
5690750	GALT	-1,4	4E-03	Homo sapiens galactose-1-phosphate uridylyltransferase (GALT), mRNA.
4890093	BRP44L	-1,4	5E-02	Homo sapiens brain protein 44-like (BRP44L), mRNA.
6940408	COBRA1	-1,4	1E-02	Homo sapiens cofactor of BRCA1 (COBRA1), mRNA.
4050541	HMG2	-1,4	6E-03	Homo sapiens high-mobility group nucleosomal binding domain 2 (HMG2), mRNA.
1660010	TRIM5	-1,4	2E-02	Homo sapiens tripartite motif-containing 5 (TRIM5), transcript variant alpha, mRNA.
1510521	PAFAH1B3	-1,4	5E-03	Homo sapiens platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit 29kDa (PAFAH1B3), mRNA.
3310392	LOC148915	-1,4	2E-02	PREDICTED: Homo sapiens similar to Nonhistone chromosomal protein HMG-17
1340491	SP110	-1,4	4E-02	Homo sapiens SP110 nuclear body protein (SP110), transcript variant b, mRNA.
5360653	CPT2	-1,4	5E-03	Homo sapiens carnitine palmitoyltransferase II (CPT2), nuclear gene encoding mitochondrial protein, mRNA.
5360646	PSMC4	-1,4	3E-02	Homo sapiens proteasome (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4), transcript variant 1, mRNA.
4880433	IDH2	-1,4	4E-03	Homo sapiens isocitrate dehydrogenase 2 (NADP+), mitochondrial (IDH2), nuclear gene encoding mitochondrial protein, mRNA.
5490068	MCOLN2	-1,4	3E-03	Homo sapiens mucolipin 2 (MCOLN2), mRNA.
5670475	GCHFR	-1,4	2E-02	Homo sapiens GTP cyclohydrolase I feedback regulator (GCHFR), mRNA.
4280300	DIS3L	-1,4	3E-02	Homo sapiens DIS3 mitotic control homolog (S. cerevisiae)-like (DIS3L), mRNA.
1470632	UROS	-1,4	4E-02	Homo sapiens uroporphyrinogen III synthase (congenital erythropoietic porphyria) (UROS), mRNA.
1170673	TNFSF14	-1,4	1E-02	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 2, mRNA.
3170593	PTPRA	-1,4	2E-02	Homo sapiens protein tyrosine phosphatase, receptor type, A (PTPRA), transcript variant 2, mRNA.
5290593	GAMT	-1,4	8E-03	Homo sapiens guanidinoacetate N-methyltransferase (GAMT), transcript variant 1, mRNA.
1070035	ETFB	-1,4	3E-03	Homo sapiens electron-transfer-flavoprotein, beta polypeptide (ETFB), transcript variant 2, mRNA.
4040711	PSMA4	-1,4	3E-02	Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 4 (PSMA4), mRNA.
3840215	FAM102A	-1,4	7E-03	Homo sapiens family with sequence similarity 102, member A (FAM102A), transcript variant 1, mRNA.
2600452	SURF6	-1,4	4E-02	Homo sapiens surfait 6 (SURF6), mRNA.
6220242	ETFB	-1,4	9E-04	Homo sapiens electron-transfer-flavoprotein, beta polypeptide (ETFB), transcript variant 1, mRNA.
940471	C5ORF13	-1,4	1E-02	Homo sapiens chromosome 5 open reading frame 13 (C5orf13), mRNA.
770592	TNFSF14	-1,4	1E-02	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 1, mRNA.
6270139	KRBA1	-1,4	9E-03	Homo sapiens KRAB-A domain containing 1 (KRBA1), mRNA.
630315	DHRS9	-1,4	4E-02	Homo sapiens dehydrogenase/reductase (SDR family) member 9 (DHRS9), transcript variant 1, mRNA.
1030333	CCL2	-1,4	3E-02	Homo sapiens chemokine (C-C motif) ligand 2 (CCL2), mRNA.
730274	MCM7	-1,4	3E-02	Homo sapiens minichromosome maintenance complex component 7 (MCM7), transcript variant 1, mRNA.
7000368	UBE2L6	-1,4	4E-03	Homo sapiens ubiquitin-conjugating enzyme E2L 6 (UBE2L6), transcript variant 1, mRNA.
4180050	TIMELESS	-1,4	1E-02	Homo sapiens timeless homolog (Drosophila) (TIMELESS), mRNA.
1940288	TYSND1	-1,4	9E-03	Homo sapiens trypsin domain containing 1 (TYSND1), transcript variant 2, mRNA.
4780129	CENPF	-1,4	4E-04	Homo sapiens centromere protein F, 350/400ka (mitosin) (CENPF), mRNA.
650369	PSMD8	-1,4	4E-02	Homo sapiens proteasome (prosome, macropain) 26S subunit, non-ATPase, 8 (PSMD8), mRNA.

2640441	PRAGMIN	-1,4	5E-03	Homo sapiens homolog of rat pragma of Rnd2 (PRAGMIN), mRNA.
3780619	TMEM14A	-1,4	3E-02	Homo sapiens transmembrane protein 14A (TMEM14A), mRNA.
5960747	TRIM22	-1,4	4E-02	Homo sapiens tripartite motif-containing 22 (TRIM22), mRNA.
6040286	PER2	-1,4	1E-03	Homo sapiens period homolog 2 (Drosophila) (PER2), mRNA.
2970703	RNF125	-1,4	3E-03	Homo sapiens ring finger protein 125 (RNF125), mRNA.
1780402	SEPN1	-1,4	4E-03	Homo sapiens selenoprotein N, 1 (SEPN1), transcript variant 2, mRNA.
3840593	SP110	-1,4	4E-02	Homo sapiens SP110 nuclear body protein (SP110), transcript variant b, mRNA.
2650156	TAP2	-1,4	4E-02	Homo sapiens transporter 2, ATP-binding cassette, sub-family B (MDR/TAP) (TAP2), transcript variant 2, mRNA.
3890187	PRMT6	-1,4	7E-03	Homo sapiens protein arginine methyltransferase 6 (PRMT6), mRNA.
4830424	MYLIP	-1,4	3E-02	Homo sapiens myosin regulatory light chain interacting protein (MYLIP), mRNA.
1190040	GIMAP8	-1,4	6E-04	Homo sapiens GTPase, IMAP family member 8 (GIMAP8), mRNA.
430411	TOR3A	-1,4	1E-02	Homo sapiens torsk family 3, member A (TOR3A), mRNA.
70288	HS.150067	-1,4	2E-02	Homo sapiens cDNA FLJ43367 fis, clone NT2RP8000435
1240152	CFD	-1,4	2E-02	Homo sapiens complement factor D (adipsin) (CFD), mRNA.
2070402	CYSLTR1	-1,4	5E-04	Homo sapiens cysteinyl leukotriene receptor 1 (CYSLTR1), mRNA.
3450136	RNF144	-1,4	5E-03	Homo sapiens ring finger protein 144 (RNF144), mRNA.
6650746	RHBDD2	-1,4	2E-02	Homo sapiens rhomboid domain containing 2 (RHBDD2), transcript variant 1, mRNA.
1820750	STAT1	-1,4	2E-02	Homo sapiens signal transducer and activator of transcription 1, 91kDa (STAT1), transcript variant alpha, mRNA.
2480541	TIGIT	-1,4	2E-02	Homo sapiens T cell immunoreceptor with Ig and ITIM domains (TIGIT), mRNA.
2850176	C14ORF72	-1,4	7E-04	PREDICTED: Homo sapiens chromosome 14 open reading frame 72 (C14orf72), mRNA.
770424	CTGLF3	-1,4	8E-03	Homo sapiens centaurin, gamma-like family, member 3 (CTGLF3), mRNA.
6420168	DBNDD2	-1,4	2E-03	Homo sapiens dysbindin (dystrobrevin binding protein 1) domain containing 2 (DBNDD2), transcript variant 3, mRNA.
2570079	STAT1	-1,4	9E-03	Homo sapiens signal transducer and activator of transcription 1, 91kDa (STAT1), transcript variant beta, mRNA.
5260541	CDK2AP1	-1,5	2E-02	Homo sapiens cyclin-dependent kinase 2 associated protein 1 (CDK2AP1), mRNA.
4220672	MT1F	-1,5	3E-02	Homo sapiens metallothionein 1F (MT1F), mRNA.
510452	FHIT	-1,5	7E-04	Homo sapiens fragile histidine triad gene (FHIT), mRNA.
6980593	GAMT	-1,5	4E-03	Homo sapiens guanidinoacetate N-methyltransferase (GAMT), transcript variant 1, mRNA.
3830220	UBASH3A	-1,5	3E-03	Homo sapiens ubiquitin associated and SH3 domain containing, A (UBASH3A), transcript variant 2, mRNA.
5720128	COQ2	-1,5	2E-02	Homo sapiens coenzyme Q2 homolog, prenyltransferase (yeast) (COQ2), mRNA.
3420332	SLC37A3	-1,5	4E-03	Homo sapiens solute carrier family 37 (glycerol-3-phosphate transporter), member 3 (SLC37A3), transcript variant 2, mRNA.
3830349	IL7R	-1,5	8E-04	Homo sapiens interleukin 7 receptor (IL7R), mRNA.
150767	BANF1	-1,5	2E-02	Homo sapiens barrier to autointegration factor 1 (BANF1), mRNA.
620092	ATP6V0A2	-1,5	2E-02	Homo sapiens ATPase, H <sup>+</sup> transporting, lysosomal V0 subunit a2 (ATP6V0A2), mRNA.
3840377	IL4	-1,5	3E-02	Homo sapiens interleukin 4 (IL4), transcript variant 2, mRNA.
3890523	IL7R	-1,5	2E-02	PREDICTED: Homo sapiens interleukin 7 receptor (IL7R), mRNA.
5910719	GATA3	-1,5	2E-03	Homo sapiens GATA binding protein 3 (GATA3), transcript variant 2, mRNA.
4050491	TCEA3	-1,5	4E-02	Homo sapiens transcription elongation factor A (SII), 3 (TCEA3), mRNA.

2640408	DENND5A	-1,5	7E-03	Homo sapiens DENN/MADD domain containing 5A (DENND5A), mRNA.
2850576	SEMA4A	-1,5	1E-02	Homo sapiens sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain
1820543	ZNF428	-1,5	3E-02	Homo sapiens zinc finger protein 428 (ZNF428), mRNA.
4670441	FBLN5	-1,5	2E-03	Homo sapiens fibulin 5 (FBLN5), mRNA.
6940358	SELL	-1,5	2E-02	Homo sapiens selectin L (SELL), mRNA.
6420450	LIME1	-1,5	2E-02	Homo sapiens Lck interacting transmembrane adaptor 1 (LIME1), mRNA.
6280326	HDC	-1,5	1E-02	Homo sapiens histidine decarboxylase (HDC), mRNA.
5360156	IFITM1	-1,5	2E-02	Homo sapiens interferon induced transmembrane protein 1 (9-27) (IFITM1), mRNA.
1440477	GAD1	-1,5	2E-03	Homo sapiens glutamate decarboxylase 1 (brain, 67kDa) (GAD1), transcript variant GAD25, mRNA.
2810601	LEF1	-1,5	4E-03	Homo sapiens lymphoid enhancer-binding factor 1 (LEF1), mRNA.
3190379	TGFBR3	-1,5	4E-03	Homo sapiens transforming growth factor, beta receptor III (TGFBR3), mRNA.
1070189	AXIN2	-1,6	2E-04	Homo sapiens axin 2 (conductin, axil) (AXIN2), mRNA.
5080364	ACTN1	-1,6	2E-02	Homo sapiens actinin, alpha 1 (ACTN1), mRNA.
3170091	GIMAP7	-1,6	1E-03	Homo sapiens GTPase, IMAP family member 7 (GIMAP7), mRNA.
6250435	ARHGEF3	-1,6	9E-04	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 3 (ARHGEF3), mRNA.
2320576	RBM47	-1,6	1E-05	Homo sapiens RNA binding motif protein 47 (RBM47), transcript variant 2, mRNA.
1440243	SEPX1	-1,6	2E-05	Homo sapiens selenoprotein X, 1 (SEPX1), mRNA.
4570255	LEF1	-1,6	1E-03	Homo sapiens lymphoid enhancer-binding factor 1 (LEF1), mRNA.
4220504	SERPINB6	-1,6	2E-03	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 6 (SERPINB6), mRNA.
450253	PTK2	-1,6	1E-04	Homo sapiens PTK2 protein tyrosine kinase 2 (PTK2), transcript variant 2, mRNA.
610113	TNFSF14	-1,6	2E-03	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 1, mRNA.
50278	LAIR2	-1,6	5E-02	Homo sapiens leukocyte-associated immunoglobulin-like receptor 2 (LAIR2), transcript variant 1, mRNA.
2140059	C1ORF165	-1,6	7E-04	Homo sapiens chromosome 1 open reading frame 165 (C1orf165), mRNA.
1230767	IFITM2	-1,6	2E-03	Homo sapiens interferon induced transmembrane protein 2 (1-8D) (IFITM2), mRNA.
1240730	SPINT2	-1,6	3E-02	Homo sapiens serine peptidase inhibitor, Kunitz type, 2 (SPINT2), mRNA.
2570291	IFNGR2	-1,7	1E-03	Homo sapiens interferon gamma receptor 2 (interferon gamma transducer 1) (IFNGR2), mRNA.
6770242	MARCKSL1	-1,7	2E-05	Homo sapiens MARCKS-like 1 (MARCKSL1), mRNA.
4070239	ATHL1	-1,7	3E-02	Homo sapiens ATH1, acid trehalase-like 1 (yeast) (ATHL1), mRNA.
540747	HS.276860	-1,8	3E-05	601441142F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3915971 5, mRNA sequence
5290259	KLHL22	-1,8	1E-05	Homo sapiens kelch-like 22 (Drosophila) (KLHL22), mRNA.
6650242	IFITM3	-1,8	2E-03	Homo sapiens interferon induced transmembrane protein 3 (1-8U) (IFITM3), mRNA.
3310445	MRPS26	-1,8	2E-03	Homo sapiens mitochondrial ribosomal protein S26 (MRPS26), nuclear gene encoding mitochondrial protein, mRNA.
4880537	LIMA1	-1,8	6E-04	Homo sapiens LIM domain and actin binding 1 (LIMA1), mRNA.
4780600	RBM47	-1,8	1E-06	Homo sapiens RNA binding motif protein 47 (RBM47), transcript variant 1, mRNA.
150072	IRF8	-1,8	2E-02	Homo sapiens interferon regulatory factor 8 (IRF8), mRNA.
6280184	MAN1C1	-1,9	7E-07	Homo sapiens mannosidase, alpha, class 1C, member 1 (MAN1C1), mRNA.
3310050	GNRH2	-1,9	4E-02	Homo sapiens gonadotropin-releasing hormone 2 (GNRH2), transcript variant 1, mRNA.

7040605	IL5	-2,0	3E-02	Homo sapiens interleukin 5 (colony-stimulating factor, eosinophil) (IL5), mRNA.
6270553	CXCL10	-2,0	1E-03	Homo sapiens chemokine (C-X-C motif) ligand 10 (CXCL10), mRNA.
4540398	BEND5	-2,2	4E-04	Homo sapiens BEN domain containing 5 (BEND5), mRNA.
7050719	C1ORF162	-2,2	7E-07	Homo sapiens chromosome 1 open reading frame 162 (C1orf162), mRNA.
2650564	RARRES3	-2,3	6E-04	Homo sapiens retinoic acid receptor responder (tazarotene induced) 3 (RARRES3), mRNA.
1070152	IL17RB	-2,3	1E-03	Homo sapiens interleukin 17 receptor B (IL17RB), mRNA.
4880678	GNRH2	-2,5	2E-02	Homo sapiens gonadotropin-releasing hormone 2 (GNRH2), transcript variant 2, mRNA.
1430634	MGC33556	-2,5	2E-05	Homo sapiens hypothetical LOC339541 (MGC33556), mRNA.
2030142	CLC	-2,6	3E-05	Homo sapiens Charcot-Leyden crystal protein (CLC), mRNA.
4010040	HBG2	-2,7	3E-02	Homo sapiens hemoglobin, gamma G (HBG2), mRNA.
7400113	HBG1	-2,7	4E-02	Homo sapiens hemoglobin, gamma A (HBG1), mRNA.
3440739	HBB	-2,8	3E-02	Homo sapiens hemoglobin, beta (HBB), mRNA.
1450358	HBD	-3,5	6E-03	Homo sapiens hemoglobin, delta (HBD), mRNA.
4180600	IL9	-3,9	4E-04	Homo sapiens interleukin 9 (IL9), mRNA.
2120167	IL9	-4,0	4E-04	Homo sapiens interleukin 9 (IL9), mRNA.



<b>Supplemental Table 2: Transcripts modulated by ATRA in CCR6+ T-cells</b>				
<b>ProbeID</b>	<b>SYMBOL</b>	<b>Fold Change</b>	<b>adj.P.Val</b>	<b>Definition</b>
2650564	RARRES3	5.40	2,2E-08	Homo sapiens retinoic acid receptor responder (tazarotene induced) 3 (RARRES3), mRNA.
2760500	CD38	5.09	5,1E-14	Homo sapiens CD38 molecule (CD38), mRNA.
7040670	DHRS3	2.55	2,9E-05	Homo sapiens dehydrogenase/reductase (SDR family) member 3 (DHRS3), mRNA.
6420605	UBD	2.47	4,6E-04	Homo sapiens ubiquitin D (UBD), mRNA.
4560129	LGMN	2.32	1,6E-04	Homo sapiens legumain (LGMN), transcript variant 2, mRNA.
4540176	EVI5	2.20	2,5E-06	Homo sapiens ecotropic viral integration site 5 (EVI5), mRNA.
6250154	LZTFL1	2.10	1,6E-07	Homo sapiens leucine zipper transcription factor-like 1 (LZTFL1), mRNA.
2100296	NAPSA	2.06	2,5E-04	Homo sapiens napsin A aspartic peptidase (NAPSA), mRNA.
1980524	GBP4	2.05	1,8E-05	Homo sapiens guanylate binding protein 4 (GBP4), mRNA.
20477	HIC1	1.98	2,2E-08	Homo sapiens hypermethylated in cancer 1 (HIC1), transcript variant 2, mRNA.
2510593	HRASLS3	1.96	5,1E-05	Homo sapiens HRAS-like suppressor 3 (HRASLS3), mRNA.
5900471	PTGER2	1.92	3,8E-06	Homo sapiens prostaglandin E receptor 2 (subtype EP2), 53kDa (PTGER2), mRNA.
5220661	CCR9	1.89	3,8E-06	Homo sapiens chemokine (C-C motif) receptor 9 (CCR9), transcript variant A, mRNA.
4120379	GFI1	1.88	2,5E-04	Homo sapiens growth factor independent 1 transcription repressor (GFI1), mRNA.
6480630	ATP9A	1.84	2,8E-03	Homo sapiens ATPase, class II, type 9A (ATP9A), mRNA.
4810520	TRIB1	1.84	3,0E-04	Homo sapiens tribbles homolog 1 (Drosophila) (TRIB1), mRNA.
1300452	LGMN	1.81	2,6E-03	Homo sapiens legumain (LGMN), transcript variant 2, mRNA.
6040711	CCR2	1.80	2,1E-04	Homo sapiens chemokine (C-C motif) receptor 2 (CCR2), transcript variant A, mRNA.
5900358	SLC26A4	1.78	1,8E-03	Homo sapiens solute carrier family 26, member 4 (SLC26A4), mRNA.
5360484	CCR9	1.78	2,3E-04	Homo sapiens chemokine (C-C motif) receptor 9 (CCR9), transcript variant A, mRNA.
2680050	SIRPG	1.77	2,4E-03	Homo sapiens signal-regulatory protein gamma (SIRPG), transcript variant 2, mRNA.
580706	CCR2	1.75	6,7E-04	Homo sapiens chemokine (C-C motif) receptor 2 (CCR2), transcript variant A, mRNA.
2900427	P2RX5	1.72	8,5E-04	Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 5 (P2RX5), transcript variant 2, mRNA.
3170068	APOBEC3B	1.71	2,3E-03	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3B (APOBEC3B), mRNA.
3290025	LOC730074	1.71	2,9E-05	PREDICTED: Homo sapiens hypothetical LOC730074 (LOC730074), mRNA.
830735	CENTA1	1.71	4,6E-04	Homo sapiens centaurin, alpha 1 (CENTA1), mRNA.
3940041	SIRPG	1.71	4,7E-03	Homo sapiens signal-regulatory protein gamma (SIRPG), transcript variant 3, mRNA.
940148	ABTB2	1.69	4,4E-05	Homo sapiens ankyrin repeat and BTB (POZ) domain containing 2 (ABTB2), mRNA.
6550333	CXCR6	1.69	2,5E-02	Homo sapiens chemokine (C-X-C motif) receptor 6 (CXCR6), mRNA.
3440674	ASB2	1.68	7,1E-04	Homo sapiens ankyrin repeat and SOCS box-containing 2 (ASB2), mRNA.
4050671	GNG4	1.66	2,8E-02	Homo sapiens guanine nucleotide binding protein (G protein), gamma 4 (GNG4), transcript variant 2, mRNA.
5900725	PHLDA1	1.63	9,8E-03	Homo sapiens pleckstrin homology-like domain, family A, member 1 (PHLDA1), mRNA.
6520241	FAM116B	1.57	2,2E-02	Homo sapiens family with sequence similarity 116, member B (FAM116B), mRNA.
5900452	CHST7	1.56	6,0E-04	Homo sapiens carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 7 (CHST7), mRNA.
2190121	GGA2	1.54	1,7E-03	Homo sapiens golgi associated, gamma adaptin ear containing, ARF binding protein 2 (GGA2), mRNA.

5290465	CASP7	1,52	8,2E-05	Homo sapiens caspase 7, apoptosis-related cysteine peptidase (CASP7), transcript variant gamma, mRNA.
1240142	SAMD9	1,52	1,9E-02	Homo sapiens sterile alpha motif domain containing 9 (SAMD9), mRNA.
4560047	CD74	1,50	3,2E-02	Homo sapiens CD74 molecule, major histocompatibility complex, class II invariant chain (CD74)
4570398	F2R	1,49	2,8E-03	Homo sapiens coagulation factor II (thrombin) receptor (F2R), mRNA.
3370037	HS.561747	1,49	4,7E-03	AGENCOURT_10520654 NIH_MGC_128 Homo sapiens cDNA clone IMAGE:6702588 5, mRNA sequence
4070524	CERKL	1,48	5,3E-04	Homo sapiens ceramide kinase-like (CERKL), transcript variant 1, mRNA.
1510646	TKTL1	1,48	2,2E-02	Homo sapiens transketolase-like 1 (TKTL1), mRNA.
2000669	ARHGAP10	1,47	1,8E-03	Homo sapiens Rho GTPase activating protein 10 (ARHGAP10), mRNA.
7160563	SMG6	1,46	4,2E-04	Homo sapiens Smg-6 homolog, nonsense mediated mRNA decay factor ( <i>C. elegans</i> ) (SMG6), mRNA.
3990379	ITGB7	1,46	2,8E-02	Homo sapiens integrin, beta 7 (ITGB7), mRNA.
7330538	PYHIN1	1,46	1,5E-02	Homo sapiens pyrin and HIN domain family, member 1 (PYHIN1), transcript variant a1, mRNA.
780022	LOC100132299	1,45	2,0E-03	PREDICTED: Homo sapiens similar to MSTP075 (LOC100132299), mRNA.
7320731	MAP3K4	1,44	4,9E-02	Homo sapiens mitogen-activated protein kinase kinase kinase 4 (MAP3K4), transcript variant 1, mRNA.
7210647	NKD2	1,44	4,9E-02	Homo sapiens naked cuticle homolog 2 ( <i>Drosophila</i> ) (NKD2), mRNA.
5260403	ST3GAL5	1,44	4,8E-03	Homo sapiens ST3 beta-galactoside alpha-2,3-sialyltransferase 5 (ST3GAL5), transcript variant 2, mRNA.
7200274	DGCR6	1,44	3,8E-03	Homo sapiens DiGeorge syndrome critical region gene 6 (DGCR6), mRNA.
7650440	BACH2	1,42	6,2E-03	Homo sapiens BTB and CNC homology 1, basic leucine zipper transcription factor 2 (BACH2), mRNA.
4880193	KLRG1	1,42	1,7E-02	Homo sapiens killer cell lectin-like receptor subfamily G, member 1 (KLRG1), mRNA.
130364	C5ORF62	1,42	1,3E-04	Homo sapiens chromosome 5 open reading frame 62 (C5orf62), mRNA.
1070544	EFHD2	1,42	8,5E-03	Homo sapiens EF-hand domain family, member D2 (EFHD2), mRNA.
1010364	DGCR6	1,41	9,8E-03	Homo sapiens DiGeorge syndrome critical region gene 6 (DGCR6), mRNA.
940669	TRPT1	1,40	6,1E-03	Homo sapiens tRNA phosphotransferase 1 (TRPT1), transcript variant 2, mRNA.
3120671	RPA1	1,40	3,8E-03	Homo sapiens replication protein A1, 70kDa (RPA1), mRNA.
1570538	GTF2E2	1,40	1,5E-04	Homo sapiens general transcription factor IIE, polypeptide 2, beta 34kDa (GTF2E2), mRNA.
6660368	MAP4K1	1,39	7,4E-03	Homo sapiens mitogen-activated protein kinase kinase kinase kinase 1 (MAP4K1), transcript variant 1, mRNA.
5220767	FLNB	1,39	2,5E-02	Homo sapiens filamin B, beta (actin binding protein 278) (FLNB), mRNA.
4120671	SSBP3	1,39	1,3E-02	Homo sapiens single stranded DNA binding protein 3 (SSBP3), transcript variant 2, mRNA.
3140022	ZSCAN2	1,39	2,3E-03	Homo sapiens zinc finger and SCAN domain containing 2 (ZSCAN2), transcript variant 1, mRNA.
2450494	BTLA	1,38	1,7E-02	Homo sapiens B and T lymphocyte associated (BTLA), transcript variant 1, mRNA.
1030026	CENPV	1,38	1,7E-02	Homo sapiens centromere protein V (CENPV), mRNA.
4250048	CMTM7	1,38	6,2E-03	Homo sapiens CKLF-like MARVEL transmembrane domain containing 7 (CMTM7), transcript variant 1, mRNA.
4590477	MAP4K1	1,37	9,1E-03	Homo sapiens mitogen-activated protein kinase kinase kinase kinase 1 (MAP4K1), transcript variant 1, mRNA.
2970730	MYADM	1,37	1,6E-03	Homo sapiens myeloid-associated differentiation marker (MYADM), transcript variant 4, mRNA.
6520433	ZNF789	1,37	3,5E-03	Homo sapiens zinc finger protein 789 (ZNF789), transcript variant 2, mRNA.
6250064	IRF1	1,37	1,9E-03	Homo sapiens interferon regulatory factor 1 (IRF1), mRNA.
5960239	CCR2	1,37	8,5E-03	Homo sapiens chemokine (C-C motif) receptor 2 (CCR2), transcript variant B, mRNA.
4860224	WARS	1,37	3,8E-02	Homo sapiens tryptophanyl-tRNA synthetase (WARS), transcript variant 1, mRNA.

7320370	STAT4		1,37	1,4E-02	Homo sapiens signal transducer and activator of transcription 4 (STAT4), mRNA.
5270072	CYP26A1		1,37	3,0E-02	Homo sapiens cytochrome P450, family 26, subfamily A, polypeptide 1 (CYP26A1), transcript variant 2, mRNA.
4670327	FBXO7		1,37	1,6E-02	Homo sapiens F-box protein 7 (FBXO7), transcript variant 2, mRNA.
3930326	LOC728014		1,36	2,6E-02	PREDICTED: Homo sapiens similar to huntingtin interacting protein 1 related (LOC728014), mRNA.
940435	TRIM8		1,35	3,3E-03	Homo sapiens tripartite motif-containing 8 (TRIM8), mRNA.
4880433	IDH2		1,35	1,1E-02	Homo sapiens isocitrate dehydrogenase 2 (NADP+), mitochondrial (IDH2)
1770685	MYH10		1,35	4,4E-02	Homo sapiens myosin, heavy chain 10, non-muscle (MYH10), mRNA.
1500600	RAB37		1,35	2,9E-02	Homo sapiens RAB37, member RAS oncogene family (RAB37), transcript variant 3, mRNA.
4010397	PLEKHG3		1,34	2,6E-02	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 3 (PLEKHG3)
7510408	NRIP1		1,34	5,0E-04	Homo sapiens nuclear receptor interacting protein 1 (NRIP1), mRNA.
6550441	LOC645100		1,34	2,9E-02	PREDICTED: Homo sapiens hCG1820764 (LOC645100), mRNA.
4220026	NUBP1		1,33	2,7E-03	Homo sapiens nucleotide binding protein 1 (MinD homolog, E. coli) (NUBP1), mRNA.
5810068	SIPA1		1,33	1,9E-02	Homo sapiens signal-induced proliferation-associated gene 1 (SIPA1), transcript variant 2, mRNA.
6860687	PYCARD		1,32	2,2E-02	Homo sapiens PYD and CARD domain containing (PYCARD), transcript variant 1, mRNA.
6550056	IFNAR2		1,32	2,4E-02	Homo sapiens interferon (alpha, beta and omega) receptor 2 (IFNAR2), transcript variant 3, mRNA.
7210192	ADA		1,32	2,9E-02	Homo sapiens adenosine deaminase (ADA), mRNA.
3870484	LUZP1		1,32	2,8E-02	Homo sapiens leucine zipper protein 1 (LUZP1), mRNA.
3180181	UBE2G1		1,32	2,9E-02	Homo sapiens ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, yeast) (UBE2G1), mRNA.
6560181	MTIF3		1,31	3,8E-03	Homo sapiens mitochondrial translational initiation factor 3 (MTIF3), nuclear gene encoding mitochondrial protein
2000451	PYHIN1		1,31	8,4E-03	Homo sapiens pyrin and HIN domain family, member 1 (PYHIN1), transcript variant b2, mRNA.
10746	TXNDC11		1,31	3,8E-03	Homo sapiens thioredoxin domain containing 11 (TXNDC11), mRNA.
3060603	BACH2		1,31	3,2E-02	Homo sapiens BTB and CNC homology 1, basic leucine zipper transcription factor 2 (BACH2), mRNA.
3830184	RAB37		1,31	1,9E-03	Homo sapiens RAB37, member RAS oncogene family (RAB37), transcript variant 2, mRNA.
4890021	SEPT3		-1,30	1,8E-02	Homo sapiens septin 3 (SEPT3), transcript variant B, mRNA.
6620026	CD83		-1,30	3,8E-02	Homo sapiens CD83 molecule (CD83), transcript variant 1, mRNA.
3850441	MAZ		-1,31	8,4E-03	Homo sapiens MYC-associated zinc finger protein (purine-binding transcription factor) (MAZ)
4040189	RIMS3		-1,31	3,3E-02	Homo sapiens regulating synaptic membrane exocytosis 3 (RIMS3), mRNA.
2350398	H2AFB1		-1,31	2,4E-03	Homo sapiens H2A histone family, member B1 (H2AFB1), mRNA.
1240487	LYRM4		-1,31	1,8E-02	Homo sapiens LYR motif containing 4 (LYRM4), mRNA.
3390239	LOC651158		-1,31	1,3E-02	PREDICTED: Homo sapiens similar to apolipoprotein B mRNA editing enzyme
4220091	TSPO		-1,31	2,9E-02	Homo sapiens translocator protein (18kDa) (TSPO), transcript variant PBR-S, mRNA.
6580189	LOC387820		-1,31	1,9E-02	PREDICTED: Homo sapiens similar to DnaJ (Hsp40) homolog, subfamily B, member 6 isoform a (LOC387820)
1770386	MALT1		-1,32	2,7E-02	Homo sapiens mucosa associated lymphoid tissue lymphoma translocation gene 1 (MALT1), transcript variant 1
1770392	MGC26718		-1,32	1,4E-02	Homo sapiens similar to ankyrin repeat domain 20A (MGC26718), mRNA.
4010433	LOC650832		-1,33	5,4E-03	PREDICTED: Homo sapiens similar to mitogen-activated protein kinase kinase 3 isoform A (LOC650832), mRNA.
2810162	LAT2		-1,33	1,7E-02	Homo sapiens linker for activation of T cells family, member 2 (LAT2), transcript variant 1, mRNA.
6560091	TGFBR2		-1,33	4,6E-02	Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 1, mRNA.

5690279	FARS2	-1,33	2,6E-02	Homo sapiens phenylalanyl-tRNA synthetase 2, mitochondrial (FARS2)
4250670	SLC43A3	-1,34	4,1E-02	Homo sapiens solute carrier family 43, member 3 (SLC43A3), mRNA.
6660161	RNF144A	-1,34	1,5E-02	Homo sapiens ring finger protein 144A (RNF144A), mRNA.
3140553	SAR1A	-1,34	2,0E-02	Homo sapiens SAR1 gene homolog A ( <i>S. cerevisiae</i> ) (SAR1A), mRNA.
1030241	ADK	-1,35	4,3E-02	Homo sapiens adenosine kinase (ADK), transcript variant ADK-short, mRNA.
7330044	DYNLT3	-1,35	3,7E-02	Homo sapiens dynein, light chain, Tctex-type 3 (DYNLT3), mRNA.
5050162	CD83	-1,35	8,9E-03	Homo sapiens CD83 molecule (CD83), transcript variant 2, mRNA.
2000646	B4GALT4	-1,36	2,2E-02	Homo sapiens UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 4 (B4GALT4)
7050600	RARA	-1,37	2,5E-02	Homo sapiens retinoic acid receptor, alpha (RARA), transcript variant 1, mRNA.
3450136	RNF144	-1,37	2,5E-02	Homo sapiens ring finger protein 144 (RNF144), mRNA.
3060092	LAT2	-1,37	3,7E-03	Homo sapiens linker for activation of T cells family, member 2 (LAT2), transcript variant 1, mRNA.
7000224	SIRT1	-1,37	2,4E-02	Homo sapiens sirtuin (silent mating type information regulation 2 homolog) 1 ( <i>S. cerevisiae</i> ) (SIRT1), mRNA.
4230021	NCK2	-1,37	2,6E-03	Homo sapiens NCK adaptor protein 2 (NCK2), transcript variant 2, mRNA.
1510390	NANS	-1,37	7,4E-03	Homo sapiens N-acetylneuraminic acid synthase (sialic acid synthase) (NANS), mRNA.
1430424	RFFL	-1,38	9,3E-03	Homo sapiens ring finger and FYVE-like domain containing 1 (RFFL), transcript variant 1, mRNA.
5870307	LOC440359	-1,38	2,2E-02	PREDICTED: Homo sapiens similar to muscle Y-box protein YB2 (LOC440359), mRNA.
2060288	PLP2	-1,38	2,2E-02	Homo sapiens proteolipid protein 2 (colonic epithelium-enriched) (PLP2), mRNA.
4220605	ETS2	-1,39	1,9E-03	Homo sapiens v-ets erythroblastosis virus E26 oncogene homolog 2 (avian) (ETS2), mRNA.
6250192	COL6A3	-1,40	4,6E-02	Homo sapiens collagen, type VI, alpha 3 (COL6A3), transcript variant 3, mRNA.
1740242	FVT1	-1,40	3,7E-03	Homo sapiens follicular lymphoma variant translocation 1 (FVT1), mRNA.
7150692	LOC642732	-1,40	9,1E-03	PREDICTED: Homo sapiens misc_RNA (LOC642732), miscRNA.
2810315	S100A6	-1,40	9,2E-03	Homo sapiens S100 calcium binding protein A6 (S100A6), mRNA.
6760451	DIXDC1	-1,41	1,8E-02	Homo sapiens DIX domain containing 1 (DIXDC1), transcript variant 1, mRNA.
6580019	LOC731954	-1,41	4,7E-04	PREDICTED: Homo sapiens similar to supervillin (LOC731954), mRNA.
4850014	ARID5A	-1,41	2,0E-02	Homo sapiens AT rich interactive domain 5A (MRF1-like) (ARID5A), mRNA.
5550431	MMD	-1,42	3,4E-02	Homo sapiens monocyte to macrophage differentiation-associated (MMD), mRNA.
4670162	CTSH	-1,42	8,5E-03	Homo sapiens cathepsin H (CTSH), transcript variant 1, mRNA.
4150519	FAM108C1	-1,42	1,6E-03	Homo sapiens family with sequence similarity 108, member C1 (FAM108C1), mRNA.
6580408	CTSW	-1,42	9,9E-03	Homo sapiens cathepsin W (CTSW), mRNA.
6280176	GBE1	-1,43	3,8E-02	Homo sapiens glucan (1,4-alpha-), branching enzyme 1
1170673	TNFSF14	-1,44	8,5E-03	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 2, mRNA.
3140603	SVIL	-1,44	2,6E-03	Homo sapiens supervillin (SVIL), transcript variant 1, mRNA.
70288	HS.150067	-1,44	2,6E-02	Homo sapiens cDNA FLJ43367 fis, clone NT2RP8000435
1030102	RGS16	-1,45	2,7E-02	Homo sapiens regulator of G-protein signalling 16 (RGS16), mRNA.
1470215	MAP3K8	-1,45	3,2E-02	Homo sapiens mitogen-activated protein kinase kinase kinase 8 (MAP3K8), mRNA.
5720470	LOC653381	-1,46	6,0E-03	PREDICTED: Homo sapiens similar to Sorbitol dehydrogenase (L-iditol 2-dehydrogenase) (LOC653381), mRNA.
60706	SDCCAG3	-1,46	4,6E-03	Homo sapiens serologically defined colon cancer antigen 3 (SDCCAG3), transcript variant 3, mRNA.

770592	TNFSF14	-1,46	3,8E-03	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 1, mRNA.
7040553	SDCCAG3	-1,47	2,3E-03	Homo sapiens serologically defined colon cancer antigen 3 (SDCCAG3), transcript variant 3, mRNA.
3520601	MPO	-1,47	3,0E-04	Homo sapiens myeloperoxidase (MPO), nuclear gene encoding mitochondrial protein, mRNA.
6550600	MYC	-1,47	1,4E-02	Homo sapiens v-myc myelocytomatosis viral oncogene homolog (avian) (MYC), mRNA.
3420739	SNTB1	-1,48	3,3E-04	Homo sapiens syntrophin, beta 1 (dystrophin-associated protein A1, 59kDa, basic component 1) (SNTB1)
3930019	IL12RB2	-1,49	3,8E-03	Homo sapiens interleukin 12 receptor, beta 2 (IL12RB2), mRNA.
2940438	PTGER4	-1,49	1,6E-03	Homo sapiens prostaglandin E receptor 4 (subtype EP4) (PTGER4), mRNA.
5670424	GNA15	-1,50	2,7E-02	Homo sapiens guanine nucleotide binding protein (G protein), alpha 15 (Gq class) (GNA15), mRNA.
610270	ELL2	-1,51	2,6E-03	Homo sapiens elongation factor, RNA polymerase II, 2 (ELL2), mRNA.
2850576	SEMA4A	-1,51	2,2E-02	Homo sapiens sema domain, Ig, transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A
6110328	ATP6V0A4	-1,52	5,1E-03	Homo sapiens ATPase, H+ transporting, lysosomal V0 subunit a4 (ATP6V0A4), transcript variant 2, mRNA.
1980288	CTSH	-1,52	3,1E-03	Homo sapiens cathepsin H (CTSH), transcript variant 1, mRNA.
3940088	ZBED2	-1,54	1,7E-02	Homo sapiens zinc finger, BED-type containing 2 (ZBED2), mRNA.
3990646	ITPR1	-1,56	6,2E-03	Homo sapiens inositol 1,4,5-triphosphate receptor, type 1 (ITPR1), transcript variant 2, mRNA.
7200703	KAT2B	-1,56	1,4E-03	Homo sapiens K(lysine) acetyltransferase 2B (KAT2B), mRNA.
2710341	PRNP	-1,56	6,7E-04	Homo sapiens prion protein (PRNP), transcript variant 2, mRNA.
2570176	NAPSB	-1,57	2,2E-02	PREDICTED: Homo sapiens napsin B aspartic peptidase pseudogene, transcript variant 3 (NAPSB), misc RNA.
3170162	PRNP	-1,57	8,5E-04	Homo sapiens prion protein (PRNP), transcript variant 3, mRNA.
1660296	ID2	-1,60	6,0E-03	Homo sapiens inhibitor of DNA binding 2, dominant negative helix-loop-helix protein (ID2), mRNA.
6550008	IL26	-1,64	6,2E-03	Homo sapiens interleukin 26 (IL26), mRNA.
730739	TCEAL3	-1,64	5,7E-06	Homo sapiens transcription elongation factor A (SII)-like 3 (TCEAL3), transcript variant 2, mRNA.
6400647	EHD4	-1,64	2,5E-04	Homo sapiens EH-domain containing 4 (EHD4), mRNA.
540706	HLF	-1,64	7,4E-03	Homo sapiens hepatic leukemia factor (HLF), mRNA.
4490025	KIF21B	-1,65	6,2E-03	Homo sapiens kinesin family member 21B (KIF21B), mRNA.
6620392	LFNG	-1,66	2,3E-04	Homo sapiens LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase (LFNG), transcript variant 1
5270674	GPR68	-1,66	8,3E-04	Homo sapiens G protein-coupled receptor 68 (GPR68), mRNA.
3060735	IL1RN	-1,70	1,1E-02	Homo sapiens interleukin 1 receptor antagonist (IL1RN), transcript variant 4, mRNA.
3940435	EMP1	-1,72	1,6E-03	Homo sapiens epithelial membrane protein 1 (EMP1), mRNA.
3180053	FAM129B	-1,72	1,6E-03	Homo sapiens family with sequence similarity 129, member B (FAM129B), transcript variant 1, mRNA.
5290243	ATP6V0A4	-1,77	9,1E-03	Homo sapiens ATPase, H+ transporting, lysosomal V0 subunit a4 (ATP6V0A4), transcript variant 1, mRNA.
6900538	DNAJC12	-1,78	8,5E-03	Homo sapiens DnaJ (Hsp40) homolog, subfamily C, member 12 (DNAJC12), transcript variant 2, mRNA.
610113	TNFSF14	-1,80	3,7E-04	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 1, mRNA.
380019	DDIT4L	-1,80	1,9E-02	Homo sapiens DNA-damage-inducible transcript 4-like (DDIT4L), mRNA.
3780053	PALLD	-1,80	1,5E-02	Homo sapiens palladin, cytoskeletal associated protein (PALLD), transcript variant 2, mRNA.
1820594	HBEGF	-1,80	8,4E-03	Homo sapiens heparin-binding EGF-like growth factor (HBEGF), mRNA.
4780072	TCEAL3	-1,81	2,5E-06	Homo sapiens transcription elongation factor A (SII)-like 3 (TCEAL3), transcript variant 1, mRNA.
1190367	IER3	-1,82	8,5E-04	Homo sapiens immediate early response 3 (IER3), mRNA.

730047	SERPINA1	-1,82	1,4E-02	Homo sapiens serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1 (SERPINA1)
5720465	DNAJC12	-1,83	3,8E-03	Homo sapiens DnaJ (Hsp40) homolog, subfamily C, member 12 (DNAJC12), transcript variant 1, mRNA.
2070037	ICOS	-1,87	1,6E-06	Homo sapiens inducible T-cell co-stimulator (ICOS), mRNA.
6040332	IL3	-1,88	2,2E-02	Homo sapiens interleukin 3 (colony-stimulating factor, multiple) (IL3), mRNA.
2630768	LMNA	-1,93	9,5E-06	Homo sapiens lamin A/C (LMNA), transcript variant 2, mRNA.
1740451	IL1R2	-1,93	3,5E-03	Homo sapiens interleukin 1 receptor, type II (IL1R2), transcript variant 2, mRNA.
6420736	DNAJC12	-1,94	6,3E-03	Homo sapiens DnaJ (Hsp40) homolog, subfamily C, member 12 (DNAJC12), transcript variant 2, mRNA.
6940358	SELL	-1,95	6,7E-04	Homo sapiens selectin L (SELL), mRNA.
7000356	RXRA	-1,97	3,1E-03	Homo sapiens retinoid X receptor, alpha (RXRA), mRNA.
6900703	ARHGEF10	-2,04	3,5E-03	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 10 (ARHGEF10), mRNA.
3290259	NAPSB	-2,06	1,0E-02	Homo sapiens napsin B aspartic peptidase pseudogene (NAPSB), non-coding RNA. XR_001413
3990040	IL1R2	-2,06	6,3E-04	Homo sapiens interleukin 1 receptor, type II (IL1R2), transcript variant 2, mRNA.
2450411	DNAJC12	-2,16	4,7E-04	Homo sapiens DnaJ (Hsp40) homolog, subfamily C, member 12 (DNAJC12), transcript variant 1, mRNA.
6020424	LMNA	-3,01	2,5E-06	Homo sapiens lamin A/C (LMNA), transcript variant 2, mRNA.
7610131	EPAS1	-3,07	1,1E-03	Homo sapiens endothelial PAS domain protein 1 (EPAS1), mRNA.

<b>Supplemental Table 3: Transcripts modulated by ATRA in CCR6- T-cells</b>				
<b>ProbeID</b>	<b>SYMBOL</b>	<b>Fold Change</b>	<b>adj.P.Val</b>	<b>Definition</b>
2100296	NAPSA	3,6	2,2E-08	Homo sapiens napsin A aspartic peptidase (NAPSA), mRNA.
2760500	CD38	3,2	2,4E-10	Homo sapiens CD38 molecule (CD38), mRNA.
7320441	C7ORF68	2,6	1,6E-02	Homo sapiens chromosome 7 open reading frame 68 (C7orf68), transcript variant 1, mRNA.
4540176	EVI5	2,6	8,2E-08	Homo sapiens ecotropic viral integration site 5 (EVI5), mRNA.
1240142	SAMD9	2,6	4,6E-07	Homo sapiens sterile alpha motif domain containing 9 (SAMD9), mRNA.
1510008	GALR2	2,5	1,2E-03	Homo sapiens galanin receptor 2 (GALR2), mRNA.
7040670	DHRS3	2,4	5,1E-05	Homo sapiens dehydrogenase/reductase (SDR family) member 3 (DHRS3), mRNA.
240682	ANKRD37	2,3	2,4E-03	Homo sapiens ankyrin repeat domain 37 (ANKRD37), mRNA.
5900471	PTGER2	2,3	8,2E-08	Homo sapiens prostaglandin E receptor 2 (subtype EP2), 53kDa (PTGER2), mRNA.
5900358	SLC26A4	2,3	1,5E-05	Homo sapiens solute carrier family 26, member 4 (SLC26A4), mRNA.
2650564	RARRES3	2,2	1,2E-03	Homo sapiens retinoic acid receptor responder (tazarotene induced) 3 (RARRES3), mRNA.
5720725	ARG2	2,2	8,0E-04	Homo sapiens arginase, type II (ARG2), nuclear gene encoding mitochondrial protein, mRNA.
3400431	CLDN11	2,1	4,7E-04	Homo sapiens claudin 11 (oligodendrocyte transmembrane protein) (CLDN11), mRNA.
2510593	HRASLS3	2,1	1,0E-05	Homo sapiens HRAS-like suppressor 3 (HRASLS3), mRNA.
830201	TSKU	2,1	6,7E-04	Homo sapiens tsukushin (TSKU), mRNA.
6250154	LZTFL1	2,0	4,6E-07	Homo sapiens leucine zipper transcription factor-like 1 (LZTFL1), mRNA.
6420605	UBD	1,9	9,8E-03	Homo sapiens ubiquitin D (UBD), mRNA.
2750280	CDK5R1	1,9	2,8E-05	Homo sapiens cyclin-dependent kinase 5, regulatory subunit 1 (p35) (CDK5R1), mRNA.
3710068	WARS	1,9	1,3E-04	Homo sapiens tryptophanyl-tRNA synthetase (WARS), transcript variant 2, mRNA.
5700753	CEACAM1	1,9	7,5E-06	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1)
4200209	RBKS	1,9	2,0E-02	Homo sapiens ribokinase (RBKS), mRNA.
4860224	WARS	1,9	1,9E-05	Homo sapiens tryptophanyl-tRNA synthetase (WARS), transcript variant 1, mRNA.
2940291	QPRT	1,9	9,5E-04	Homo sapiens quinolinate phosphoribosyltransferase (QPRT), mRNA.
5960440	VDR	1,8	4,9E-04	Homo sapiens vitamin D (1,25- dihydroxyvitamin D3) receptor (VDR), transcript variant 1, mRNA.
870630	CA2	1,8	3,6E-04	Homo sapiens carbonic anhydrase II (CA2), mRNA.
6180427	G0S2	1,8	2,5E-03	Homo sapiens G0/G1switch 2 (G0S2), mRNA.
1260270	AIM2	1,7	6,7E-05	Homo sapiens absent in melanoma 2 (AIM2), mRNA.
3170068	APOBEC3B	1,7	1,4E-03	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3B (APOBEC3B), mRNA.
4120379	GFI1	1,7	1,1E-03	Homo sapiens growth factor independent 1 transcription repressor (GFI1), mRNA.
20477	HIC1	1,7	1,1E-06	Homo sapiens hypermethylated in cancer 1 (HIC1), transcript variant 2, mRNA.
6100414	UPRT	1,7	2,6E-02	Homo sapiens uracil phosphoribosyltransferase (FUR1) homolog ( <i>S. cerevisiae</i> ) (UPRT), mRNA.
6480209	RRAGD	1,7	8,4E-03	Homo sapiens Ras-related GTP binding D (RRAGD), mRNA.
7570673	UPP1	1,7	9,2E-03	Homo sapiens uridine phosphorylase 1 (UPP1), transcript variant 1, mRNA.
4560129	LGMN	1,7	2,7E-02	Homo sapiens legumain (LGMN), transcript variant 2, mRNA.
5900725	PHLDA1	1,6	8,3E-03	Homo sapiens pleckstrin homology-like domain, family A, member 1 (PHLDA1), mRNA.

4810520	TRIB1	1,6	2,5E-03	Homo sapiens tribbles homolog 1 (Drosophila) (TRIB1), mRNA.
5290465	CASP7	1,6	5,4E-06	Homo sapiens caspase 7, apoptosis-related cysteine peptidase (CASP7), transcript variant gamma, mRNA.
5310554	MPP1	1,6	3,2E-04	Homo sapiens membrane protein, palmitoylated 1, 55kDa (MPP1), mRNA.
6100372	FIGNL1	1,6	1,6E-04	Homo sapiens fidgetin-like 1 (FIGNL1), transcript variant 1, mRNA.
450538	RBPJ	1,6	3,5E-03	Homo sapiens recombination signal binding protein for immunoglobulin kappa J region (RBPJ), transcript variant 1
610154	CLDND2	1,6	1,3E-02	Homo sapiens claudin domain containing 2 (CLDND2), mRNA.
1690609	CFI	1,6	4,3E-03	Homo sapiens complement factor I (CFI), mRNA.
5890593	FIGNL1	1,6	1,9E-04	Homo sapiens fidgetin-like 1 (FIGNL1), transcript variant 1, mRNA.
4150520	RIPK2	1,6	2,9E-03	Homo sapiens receptor-interacting serine-threonine kinase 2 (RIPK2), mRNA.
7160563	SMG6	1,6	3,1E-05	Homo sapiens Smg-6 homolog, nonsense mediated mRNA decay factor (C. elegans) (SMG6), mRNA.
630278	H1F0	1,6	4,8E-02	Homo sapiens H1 histone family, member 0 (H1F0), mRNA.
940148	ABTB2	1,6	3,2E-04	Homo sapiens ankyrin repeat and BTB (POZ) domain containing 2 (ABTB2), mRNA.
2600324	TMEM147	1,6	9,5E-04	Homo sapiens transmembrane protein 147 (TMEM147), mRNA.
2070039	INSIG2	1,6	4,8E-02	Homo sapiens insulin induced gene 2 (INSIG2), mRNA.
4150014	CEACAM1	1,5	1,1E-03	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1)
5810132	HSD11B1	1,5	1,1E-03	Homo sapiens hydroxysteroid (11-beta) dehydrogenase 1 (HSD11B1), transcript variant 2, mRNA.
7320437	DSCR3	1,5	2,9E-04	Homo sapiens Down syndrome critical region gene 3 (DSCR3), mRNA.
3310692	SPRY1	1,5	1,6E-02	Homo sapiens sprouty homolog 1, antagonist of FGF signaling (Drosophila) (SPRY1), transcript variant 2, mRNA.
5670040	ELOVL6	1,5	1,7E-03	Homo sapiens ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)
1300452	LGMN	1,5	4,3E-02	Homo sapiens legumain (LGMN), transcript variant 2, mRNA.
5420564	NFIL3	1,5	2,0E-02	Homo sapiens nuclear factor, interleukin 3 regulated (NFIL3), mRNA.
2680050	SIRPG	1,5	3,8E-02	Homo sapiens signal-regulatory protein gamma (SIRPG), transcript variant 2, mRNA.
3290025	LOC730074	1,5	9,5E-04	PREDICTED: Homo sapiens hypothetical LOC730074 (LOC730074), mRNA.
2690273	BCAP29	1,5	8,5E-04	Homo sapiens B-cell receptor-associated protein 29 (BCAP29), transcript variant 2, mRNA.
5720424	NRP1	1,5	1,1E-03	Homo sapiens neuropilin 1 (NRP1), transcript variant 1, mRNA.
1340750	SRP68	1,5	1,0E-04	Homo sapiens signal recognition particle 68kDa (SRP68), mRNA.
510114	CCNB1IP1	1,5	1,1E-02	Homo sapiens cyclin B1 interacting protein 1 (CCNB1IP1), transcript variant 3, mRNA.
3060703	LOC81691	1,5	3,0E-03	Homo sapiens exonuclease NEF-sp (LOC81691), mRNA.
4670327	FBXO7	1,5	1,9E-03	Homo sapiens F-box protein 7 (FBXO7), transcript variant 2, mRNA.
770682	MGC29506	1,5	4,8E-02	Homo sapiens hypothetical protein MGC29506 (MGC29506), mRNA.
3460008	TMEM173	1,4	1,9E-03	Homo sapiens transmembrane protein 173 (TMEM173), nuclear gene encoding mitochondrial protein, mRNA.
2060674	CA2	1,4	3,4E-02	Homo sapiens carbonic anhydrase II (CA2), mRNA.
5720598	MYO1B	1,4	1,8E-03	Homo sapiens myosin IB (MYO1B), mRNA.
6480204	THY1	1,4	8,4E-03	Homo sapiens Thy-1 cell surface antigen (THY1), mRNA.
5820491	MAP7	1,4	5,7E-04	Homo sapiens microtubule-associated protein 7 (MAP7), mRNA.
6550209	KIF2A	1,4	8,3E-03	Homo sapiens kinesin heavy chain member 2A (KIF2A), mRNA.
1410010	PDLIM1	1,4	1,5E-04	Homo sapiens PDZ and LIM domain 1 (PDLIM1), mRNA.



10044	BCAP29	1,4	3,8E-03	Homo sapiens B-cell receptor-associated protein 29 (BCAP29), transcript variant 1, mRNA.
3890193	CLIC4	1,4	1,6E-02	Homo sapiens chloride intracellular channel 4 (CLIC4), nuclear gene encoding mitochondrial protein, mRNA.
10722	CENPV	1,4	2,0E-02	Homo sapiens centromere protein V (CENPV), mRNA.
1400450	BRE	1,4	1,2E-02	Homo sapiens brain and reproductive organ-expressed (TNFRSF1A modulator) (BRE), transcript variant 3, mRNA.
2450554	RBPJ	1,4	7,1E-03	Homo sapiens recombination signal binding protein for immunoglobulin kappa J region (RBPJ), transcript variant 4
5870632	TM9SF2	1,4	2,6E-02	Homo sapiens transmembrane 9 superfamily member 2 (TM9SF2), mRNA.
990343	SP4	1,4	4,4E-03	Homo sapiens Sp4 transcription factor (SP4), mRNA.
2510039	ENDOD1	1,4	2,7E-02	Homo sapiens endonuclease domain containing 1 (ENDOD1), mRNA.
6980370	IRF4	1,4	3,4E-02	Homo sapiens interferon regulatory factor 4 (IRF4), mRNA.
450382	LOC441073	1,4	2,3E-02	PREDICTED: Homo sapiens misc_RNA (LOC441073), miscRNA.
3120475	MAP7	1,4	1,9E-04	Homo sapiens microtubule-associated protein 7 (MAP7), mRNA.
7650440	BACH2	1,4	1,1E-02	Homo sapiens BTB and CNC homology 1, basic leucine zipper transcription factor 2 (BACH2), mRNA.
1030026	CENPV	1,4	1,6E-02	Homo sapiens centromere protein V (CENPV), mRNA.
2190121	GGA2	1,4	3,2E-02	Homo sapiens golgi associated, gamma adaptin ear containing, ARF binding protein 2 (GGA2), mRNA.
1010682	ARIH2	1,4	2,1E-02	Homo sapiens ariadne homolog 2 (Drosophila) (ARIH2), mRNA.
780022	LOC100132299	1,4	1,1E-02	PREDICTED: Homo sapiens similar to MSTP075 (LOC100132299), mRNA.
3890017	CTNNA1	1,4	2,7E-02	Homo sapiens catenin (cadherin-associated protein), alpha 1, 102kDa (CTNNA1), mRNA.
2970730	MYADM	1,4	1,9E-03	Homo sapiens myeloid-associated differentiation marker (MYADM), transcript variant 4, mRNA.
50746	HSD11B1	1,4	4,6E-03	Homo sapiens hydroxysteroid (11-beta) dehydrogenase 1 (HSD11B1), transcript variant 1, mRNA.
7400114	ANKRA2	1,4	2,8E-02	Homo sapiens ankyrin repeat, family A (RFKANK-like), 2 (ANKRA2), mRNA.
6220133	HSD11B1	1,4	1,2E-03	Homo sapiens hydroxysteroid (11-beta) dehydrogenase 1 (HSD11B1), transcript variant 2, mRNA.
1340634	GLB1	1,4	3,2E-02	Homo sapiens galactosidase, beta 1 (GLB1), transcript variant 2, mRNA.
1510440	RPA1	1,4	1,6E-02	Homo sapiens replication protein A1, 70kDa (RPA1), mRNA.
5900592	MGAT1	1,3	2,0E-02	Homo sapiens mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase (MGAT1), mRNA.
4070053	BCAR3	1,3	4,6E-03	Homo sapiens breast cancer anti-estrogen resistance 3 (BCAR3), mRNA.
6250040	NAB1	1,3	2,8E-03	Homo sapiens NGFI-A binding protein 1 (EGR1 binding protein 1) (NAB1), mRNA.
4490053	IL10RA	1,3	4,3E-02	Homo sapiens interleukin 10 receptor, alpha (IL10RA), mRNA.
4850176	RNMT	1,3	2,5E-02	Homo sapiens RNA (guanine-7-) methyltransferase (RNMT), mRNA.
7000307	ACSL4	1,3	1,1E-03	Homo sapiens acyl-CoA synthetase long-chain family member 4 (ACSL4), transcript variant 1, mRNA.
4250670	SLC43A3	1,3	4,9E-02	Homo sapiens solute carrier family 43, member 3 (SLC43A3), mRNA.
6280184	MAN1C1	1,3	2,5E-02	Homo sapiens mannosidase, alpha, class 1C, member 1 (MAN1C1), mRNA.
3120671	RPA1	1,3	2,2E-02	Homo sapiens replication protein A1, 70kDa (RPA1), mRNA.
4120671	SSBP3	1,3	4,6E-02	Homo sapiens single stranded DNA binding protein 3 (SSBP3), transcript variant 2, mRNA.
4250288	UFSP2	1,3	2,7E-02	Homo sapiens UFM1-specific peptidase 2 (UFSP2), mRNA.
1570538	GTF2E2	1,3	1,1E-03	Homo sapiens general transcription factor IIE, polypeptide 2, beta 34kDa (GTF2E2), mRNA.
5080280	SEMA4B	1,3	7,4E-03	Homo sapiens sema domain, Ig domain, transmembrane domain (TM) and short cytoplasmic domain
4570358	CNTNAP1	1,3	2,6E-02	Homo sapiens contactin associated protein 1 (CNTNAP1), mRNA.

2900187	CNIH	1,3	1,9E-02	Homo sapiens cornichon homolog (Drosophila) (CNIH), transcript variant 2, mRNA.
2100524	SPG11	1,3	4,5E-02	Homo sapiens spastic paraplegia 11 (autosomal recessive) (SPG11), transcript variant 1, mRNA.
3140041	SP140	1,3	8,3E-03	Homo sapiens SP140 nuclear body protein (SP140), transcript variant 1, mRNA.
6550441	LOC645100	1,3	5,0E-02	PREDICTED: Homo sapiens hCG1820764 (LOC645100), mRNA.
6650176	TRMT11	1,3	9,4E-03	Homo sapiens tRNA methyltransferase 11 homolog (S. cerevisiae) (TRMT11), mRNA.
6560402	NR3C1	1,3	2,6E-02	Homo sapiens nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor) (NR3C1)
2760224	FOXP1	1,3	3,8E-02	Homo sapiens forkhead box P1 (FOXP1), transcript variant 1, mRNA.
360612	LOC100131940	1,3	1,6E-02	PREDICTED: Homo sapiens misc_RNA (LOC100131940), miscRNA.
6840615	PRKCB	1,3	2,3E-02	Homo sapiens protein kinase C, beta (PRKCB), transcript variant 1, mRNA.
830768	FLJ43681	1,3	4,3E-02	PREDICTED: Homo sapiens similar to 60S ribosomal protein L23a (FLJ43681), miscRNA.
360689	HEBP1	-1,3	3,8E-02	Homo sapiens heme binding protein 1 (HEBP1), mRNA.
6480468	BEX1	-1,3	1,7E-02	Homo sapiens brain expressed, X-linked 1 (BEX1), mRNA.
2320133	TXNRD1	-1,3	9,0E-04	Homo sapiens thioredoxin reductase 1 (TXNRD1), transcript variant 4, mRNA.
5050162	CD83	-1,3	2,5E-02	Homo sapiens CD83 molecule (CD83), transcript variant 2, mRNA.
1740433	MSL3L1	-1,3	1,1E-02	Homo sapiens male-specific lethal 3-like 1 (Drosophila) (MSL3L1), transcript variant 1, mRNA.
1770358	ZDHHC16	-1,3	2,3E-02	Homo sapiens zinc finger, DHHC-type containing 16 (ZDHHC16), transcript variant 1, mRNA.
2900731	PCSK7	-1,3	1,7E-02	Homo sapiens proprotein convertase subtilisin/kexin type 7 (PCSK7), mRNA.
1770070	SUPT4H1	-1,3	2,1E-02	Homo sapiens suppressor of Ty 4 homolog 1 (S. cerevisiae) (SUPT4H1), mRNA.
4150639	RBMS1	-1,3	1,7E-02	Homo sapiens RNA binding motif, single stranded interacting protein 1 (RBMS1), transcript variant 3, mRNA.
6200064	CECR1	-1,3	4,9E-02	Homo sapiens cat eye syndrome chromosome region, candidate 1 (CECR1), transcript variant 2, mRNA.
1230224	DNAJB6	-1,3	4,6E-03	Homo sapiens DnaJ (Hsp40) homolog, subfamily B, member 6 (DNAJB6), transcript variant 2, mRNA.
1510020	LRCH4	-1,3	1,9E-02	Homo sapiens leucine-rich repeats and calponin homology (CH) domain containing 4 (LRCH4), mRNA.
2340671	MAEA	-1,3	4,8E-02	Homo sapiens macrophage erythroblast attacher (MAEA), transcript variant 1, mRNA.
2470520	RBMS1	-1,3	2,6E-02	Homo sapiens RNA binding motif, single stranded interacting protein 1 (RBMS1), transcript variant 3, mRNA.
2710341	PRNP	-1,3	4,8E-02	Homo sapiens prion protein (PRNP), transcript variant 2, mRNA.
4920328	SH3KBP1	-1,3	2,9E-02	Homo sapiens SH3-domain kinase binding protein 1 (SH3KBP1), transcript variant 2, mRNA.
5090176	C9ORF89	-1,3	9,6E-03	Homo sapiens chromosome 9 open reading frame 89 (C9orf89), mRNA.
2350201	ANKS1B	-1,3	2,3E-02	Homo sapiens ankyrin repeat and sterile alpha motif domain containing 1B (ANKS1B), transcript variant 2, mRNA.
3710609	TSPAN17	-1,3	1,2E-02	Homo sapiens tetraspanin 17 (TSPAN17), transcript variant 1, mRNA.
3170162	PRNP	-1,3	4,9E-02	Homo sapiens prion protein (PRNP), transcript variant 3, mRNA.
1770386	MALT1	-1,3	1,9E-02	Homo sapiens mucosa associated lymphoid tissue lymphoma translocation gene 1 (MALT1), transcript variant 1
5560544	HS.551538	-1,3	1,1E-02	Homo sapiens mRNA: cDNA DKFZp761E1721 (from clone DKFZp761E1721)
2190717	IL18BP	-1,3	1,4E-03	Homo sapiens interleukin 18 binding protein (IL18BP), transcript variant A, mRNA.
6620026	CD83	-1,3	2,1E-02	Homo sapiens CD83 molecule (CD83), transcript variant 1, mRNA.
7200703	KAT2B	-1,3	5,0E-02	Homo sapiens K(lysine) acetyltransferase 2B (KAT2B), mRNA.
3060646	C14ORF173	-1,3	1,1E-02	Homo sapiens chromosome 14 open reading frame 173 (C14orf173), transcript variant 2, mRNA.
5810709	LOC644330	-1,3	3,3E-02	PREDICTED: Homo sapiens similar to tropomyosin 3 isoform 2 (LOC644330), mRNA.

1400035	RCBTB2	-1,3	2,1E-02	Homo sapiens regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2
1430424	RFFL	-1,3	1,7E-02	Homo sapiens ring finger and FYVE-like domain containing 1 (RFFL), transcript variant 1, mRNA.
2060288	PLP2	-1,3	3,8E-02	Homo sapiens proteolipid protein 2 (colonic epithelium-enriched) (PLP2), mRNA.
3360132	SNX20	-1,4	1,1E-02	Homo sapiens sorting nexin 20 (SNX20), mRNA.
870202	TNFSF10	-1,4	4,3E-02	Homo sapiens tumor necrosis factor (ligand) superfamily, member 10 (TNFSF10), mRNA.
5720470	LOC653381	-1,4	2,6E-02	PREDICTED: Homo sapiens similar to Sorbitol dehydrogenase (L-iditol 2-dehydrogenase) (LOC653381), mRNA.
6380717	HSPA1A	-1,4	4,3E-03	Homo sapiens heat shock 70kDa protein 1A (HSPA1A), mRNA.
4250753	TSPAN33	-1,4	8,5E-04	Homo sapiens tetraspanin 33 (TSPAN33), mRNA.
1660681	CCDC102A	-1,4	3,0E-03	Homo sapiens coiled-coil domain containing 102A (CCDC102A), mRNA.
3850148	ARHGAP25	-1,4	2,3E-02	Homo sapiens Rho GTPase activating protein 25 (ARHGAP25), transcript variant 2, mRNA.
3170017	MAP2K3	-1,4	6,4E-04	Homo sapiens mitogen-activated protein kinase kinase 3 (MAP2K3), transcript variant A, mRNA.
4290575	C7ORF23	-1,4	9,5E-04	Homo sapiens chromosome 7 open reading frame 23 (C7orf23), mRNA.
4150519	FAM108C1	-1,4	1,2E-03	Homo sapiens family with sequence similarity 108, member C1 (FAM108C1), mRNA.
5700612	SEPHS1	-1,4	4,9E-02	Homo sapiens selenophosphate synthetase 1 (SEPHS1), mRNA.
5690279	FARS2	-1,4	4,5E-03	Homo sapiens phenylalanyl-tRNA synthetase 2, mitochondrial, nuclear gene encoding mitochondrial protein
2450047	CASZ1	-1,4	4,6E-03	Homo sapiens castor zinc finger 1 (CASZ1), transcript variant 2, mRNA.
6580408	CTSW	-1,4	9,5E-03	Homo sapiens cathepsin W (CTSW), mRNA.
2350546	GPR55	-1,4	8,3E-03	Homo sapiens G protein-coupled receptor 55 (GPR55), mRNA.
270338	TRAT1	-1,4	1,2E-02	Homo sapiens T cell receptor associated transmembrane adaptor 1 (TRAT1), mRNA.
4010433	LOC650832	-1,4	3,4E-04	PREDICTED: Homo sapiens similar to mitogen-activated protein kinase kinase 3 isoform A (LOC650832), mRNA.
5340324	FUT7	-1,4	4,2E-03	Homo sapiens fucosyltransferase 7 (alpha (1,3) fucosyltransferase) (FUT7), mRNA.
4040189	RIMS3	-1,4	1,9E-03	Homo sapiens regulating synaptic membrane exocytosis 3 (RIMS3), mRNA.
1340678	MBP	-1,4	2,7E-03	Homo sapiens myelin basic protein (MBP), transcript variant 3, mRNA.
5050681	TESC	-1,4	4,8E-02	Homo sapiens tescalcin (TESC), mRNA.
6280326	HDC	-1,4	4,6E-02	Homo sapiens histidine decarboxylase (HDC), mRNA.
1170673	TNFSF14	-1,5	4,5E-03	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 2, mRNA.
110450	SLC12A9	-1,5	2,7E-02	Homo sapiens solute carrier family 12 (potassium/chloride transporters), member 9 (SLC12A9), mRNA.
3370075	S1PR4	-1,5	1,3E-02	Homo sapiens sphingosine-1-phosphate receptor 4 (S1PR4), mRNA.
3930019	IL12RB2	-1,5	3,9E-03	Homo sapiens interleukin 12 receptor, beta 2 (IL12RB2), mRNA.
4920561	MB	-1,5	1,0E-02	Homo sapiens myoglobin (MB), transcript variant 1, mRNA.
3190379	TGFBR3	-1,5	1,2E-02	Homo sapiens transforming growth factor, beta receptor III (TGFBR3), mRNA.
1660286	RILPL2	-1,5	1,5E-04	Homo sapiens Rab interacting lysosomal protein-like 2 (RILPL2), mRNA.
5860315	DNAJB6	-1,5	1,1E-03	Homo sapiens DnaJ (Hsp40) homolog, subfamily B, member 6 (DNAJB6), transcript variant 1, mRNA.
770538	LYSMD2	-1,5	1,1E-03	Homo sapiens LysM, putative peptidoglycan-binding, domain containing 2 (LYSMD2), mRNA.
6250192	COL6A3	-1,5	7,0E-03	Homo sapiens collagen, type VI, alpha 3 (COL6A3), transcript variant 3, mRNA.
770592	TNFSF14	-1,5	1,1E-03	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 1, mRNA.
4880626	GIMAP4	-1,5	7,1E-03	Homo sapiens GTPase, IMAP family member 4 (GIMAP4), mRNA.

2940438	PTGER4	-1,5	6,4E-04	Homo sapiens prostaglandin E receptor 4 (subtype EP4) (PTGER4), mRNA.
7380670	MYB	-1,6	2,6E-02	Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian) (MYB), transcript variant 2, mRNA.
5220093	HAVCR2	-1,6	3,4E-02	Homo sapiens hepatitis A virus cellular receptor 2 (HAVCR2), mRNA.
60470	STX11	-1,6	2,9E-04	Homo sapiens syntaxin 11 (STX11), mRNA.
830593	VIM	-1,6	1,1E-03	Homo sapiens vimentin (VIM), mRNA.
7510377	MSC	-1,6	1,9E-02	Homo sapiens muscudin (activated B-cell factor-1) (MSC), mRNA.
4780072	TCEAL3	-1,6	5,8E-05	Homo sapiens transcription elongation factor A (SII)-like 3 (TCEAL3), transcript variant 1, mRNA.
5290243	ATP6V0A4	-1,6	4,3E-02	Homo sapiens ATPase, H+ transporting, lysosomal V0 subunit a4 (ATP6V0A4), transcript variant 1, mRNA.
7550307	PRKCDBP	-1,6	2,7E-02	Homo sapiens protein kinase C, delta binding protein (PRKCDBP), mRNA.
450553	AHNAK	-1,6	1,6E-02	Homo sapiens AHNAK nucleoprotein (AHNAK), transcript variant 1, mRNA.
2630768	LMNA	-1,6	6,3E-04	Homo sapiens lamin A/C (LMNA), transcript variant 2, mRNA.
6270553	CXCL10	-1,6	4,5E-02	Homo sapiens chemokine (C-X-C motif) ligand 10 (CXCL10), mRNA.
60093	NCALD	-1,6	3,4E-02	Homo sapiens neurocalcin delta (NCALD), mRNA.
6200402	MT1A	-1,6	4,9E-02	Homo sapiens metallothionein 1A (MT1A), mRNA.
3780681	MBP	-1,6	5,7E-04	Homo sapiens myelin basic protein (MBP), transcript variant 8, mRNA.
2030142	CLC	-1,7	3,1E-02	Homo sapiens Charcot-Leyden crystal protein (CLC), mRNA.
1980288	CTSH	-1,7	2,5E-04	Homo sapiens cathepsin H (CTSH), transcript variant 1, mRNA.
7050019	VIM	-1,7	1,1E-03	Homo sapiens vimentin (VIM), mRNA.
3990646	ITPR1	-1,7	8,0E-04	Homo sapiens inositol 1,4,5-triphosphate receptor, type 1 (ITPR1), transcript variant 2, mRNA.
2070037	ICOS	-1,7	1,1E-05	Homo sapiens inducible T-cell co-stimulator (ICOS), mRNA.
5270674	GPR68	-1,7	3,5E-04	Homo sapiens G protein-coupled receptor 68 (GPR68), mRNA.
3990458	S100A4	-1,7	7,6E-05	Homo sapiens S100 calcium binding protein A4 (S100A4), transcript variant 2, mRNA.
610113	TNFSF14	-1,7	7,6E-04	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 1, mRNA.
730739	TCEAL3	-1,7	9,4E-07	Homo sapiens transcription elongation factor A (SII)-like 3 (TCEAL3), transcript variant 2, mRNA.
6620392	LFNG	-1,8	4,4E-05	Homo sapiens LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase (LFNG), transcript variant 1
450615	MT2A	-1,9	4,9E-02	Homo sapiens metallothionein 2A (MT2A), mRNA.
3180053	FAM129B	-2,0	8,1E-05	Homo sapiens family with sequence similarity 129, member B (FAM129B), transcript variant 1, mRNA.
6040332	IL3	-2,0	8,1E-03	Homo sapiens interleukin 3 (colony-stimulating factor, multiple) (IL3), mRNA.
6420450	LIME1	-2,1	9,2E-05	Homo sapiens Lck interacting transmembrane adaptor 1 (LIME1), mRNA.
3830349	IL7R	-2,1	1,6E-07	Homo sapiens interleukin 7 receptor (IL7R), mRNA.
5290270	S100A4	-2,1	1,4E-06	Homo sapiens S100 calcium binding protein A4 (S100A4), transcript variant 2, mRNA.
7050719	C1ORF162	-2,1	4,7E-06	Homo sapiens chromosome 1 open reading frame 162 (C1orf162), mRNA.
3890523	IL7R	-2,2	1,6E-05	PREDICTED: Homo sapiens interleukin 7 receptor (IL7R), mRNA.
6020424	LMNA	-2,3	1,5E-04	Homo sapiens lamin A/C (LMNA), transcript variant 2, mRNA.
7560593	OSM	-2,3	2,9E-02	Homo sapiens oncostatin M (OSM), mRNA.
6940358	SELL	-3,0	4,6E-07	Homo sapiens selectin L (SELL), mRNA.

<b>Supplemental Table 4: Transcripts differentially expressed by CCR6+ versus CCR6- T-cells upon TCR triggering in the presence of ATRA</b>				
<b>ProbeID</b>	<b>SYMBOL</b>	<b>Fold Change</b>	<b>adj.P.Val</b>	<b>Definition</b>
4220246	CCL20	8,7	5,1E-12	Homo sapiens chemokine (C-C motif) ligand 20 (CCL20), mRNA.
5360682	IL17F	8,2	2,9E-04	Homo sapiens interleukin 17F (IL17F), mRNA.
1980288	CTSH	6,9	9,9E-16	Homo sapiens cathepsin H (CTSH), transcript variant 1, mRNA.
730753	IL22	6,2	8,7E-08	Homo sapiens interleukin 22 (IL22), mRNA.
6200019	KLRB1	5,9	2,9E-07	Homo sapiens killer cell lectin-like receptor subfamily B, member 1 (KLRB1), mRNA.
5360064	GPLY	4,0	1,0E-05	Homo sapiens granulysin (GPLY), transcript variant 519, mRNA.
6590332	IL22	4,0	3,7E-06	Homo sapiens interleukin 22 (IL22), mRNA.
4670162	CTSH	3,5	4,8E-12	Homo sapiens cathepsin H (CTSH), transcript variant 1, mRNA.
6580041	GPLY	3,2	1,2E-04	Homo sapiens granulysin (GPLY), transcript variant NKG5, mRNA.
2750196	CSF2	3,1	1,2E-04	Homo sapiens colony stimulating factor 2 (granulocyte-macrophage) (CSF2), mRNA.
540670	IL4I1	2,9	8,7E-08	Homo sapiens interleukin 4 induced 1 (IL4I1), transcript variant 2, mRNA.
10685	ANTXR2	2,8	6,2E-08	Homo sapiens anthrax toxin receptor 2 (ANTXR2), mRNA.
4890241	GPR56	2,7	3,3E-04	Homo sapiens G protein-coupled receptor 56 (GPR56), transcript variant 2, mRNA.
6550333	CXCR6	2,5	2,3E-05	Homo sapiens chemokine (C-X-C motif) receptor 6 (CXCR6), mRNA.
5490768	GPR56	2,4	1,1E-03	Homo sapiens G protein-coupled receptor 56 (GPR56), transcript variant 3, mRNA.
3850692	KLF2	2,4	2,5E-03	Homo sapiens Kruppel-like factor 2 (lung) (KLF2), mRNA.
4070091	RORC	2,3	1,7E-06	Homo sapiens RAR-related orphan receptor C (RORC), transcript variant 2, mRNA.
5860093	NLF2	2,2	8,6E-05	PREDICTED: Homo sapiens nuclear localized factor 2 (NLF2), mRNA.
6480630	ATP9A	2,2	4,1E-05	Homo sapiens ATPase, class II, type 9A (ATP9A), mRNA.
7050019	VIM	2,2	2,1E-06	Homo sapiens vimentin (VIM), mRNA.
1110180	RORA	2,2	7,5E-04	Homo sapiens RAR-related orphan receptor A (RORA), transcript variant 3, mRNA.
5420091	LTB	2,2	2,2E-05	Homo sapiens lymphotoxin beta (TNF superfamily, member 3) (LTB), transcript variant 1, mRNA.
7380273	GPR114	2,2	4,1E-06	Homo sapiens G protein-coupled receptor 114 (GPR114), mRNA.
6040711	CCR2	2,1	1,9E-06	Homo sapiens chemokine (C-C motif) receptor 2 (CCR2), transcript variant A, mRNA.
580706	CCR2	2,1	4,1E-06	Homo sapiens chemokine (C-C motif) receptor 2 (CCR2), transcript variant A, mRNA.
5310053	LTB	2,1	3,7E-05	Homo sapiens lymphotoxin beta (TNF superfamily, member 3) (LTB), transcript variant 1, mRNA.
5290270	S100A4	2,1	6,9E-07	Homo sapiens S100 calcium binding protein A4 (S100A4), transcript variant 2, mRNA.
610332	CHN1	2,1	4,3E-06	Homo sapiens chimerin (chimaerin) 1 (CHN1), transcript variant 2, mRNA.
6220746	GLIPR1	2,0	3,2E-05	Homo sapiens GLI pathogenesis-related 1 (GLIPR1), mRNA.
2970575	CCL4L2	2,0	1,2E-02	Homo sapiens chemokine (C-C motif) ligand 4-like 2 (CCL4L2), mRNA.
520066	TNFRSF18	2,0	6,0E-03	Homo sapiens tumor necrosis factor receptor superfamily, member 18 (TNFRSF18), transcript variant 3, mRNA.
630725	IFNG	2,0	9,4E-03	Homo sapiens interferon, gamma (IFNG), mRNA.
6760037	SYTL2	2,0	3,2E-05	Homo sapiens synaptotagmin-like 2 (SYTL2), transcript variant e, mRNA.
6560201	LOC728835	2,0	3,7E-02	PREDICTED: Homo sapiens similar to cytokine, transcript variant 3 (LOC728835), mRNA.
5890470	CCR6	2,0	4,4E-04	Homo sapiens chemokine (C-C motif) receptor 6 (CCR6), transcript variant 2, mRNA.

7200703	KAT2B	2,0	1,7E-06	Homo sapiens K(lysine) acetyltransferase 2B (KAT2B), mRNA.
840386	TNFRSF18	2,0	1,3E-02	Homo sapiens tumor necrosis factor receptor superfamily, member 18 (TNFRSF18), transcript variant 2, mRNA.
830593	VIM	2,0	2,5E-06	Homo sapiens vimentin (VIM), mRNA.
1570484	ATF5	2,0	5,3E-04	Homo sapiens activating transcription factor 5 (ATF5), mRNA.
4890553	RORC	2,0	1,7E-06	Homo sapiens RAR-related orphan receptor C (RORC), transcript variant 2, mRNA.
5570114	GADD45G	1,9	1,4E-05	Homo sapiens growth arrest and DNA-damage-inducible, gamma (GADD45G), mRNA.
3990458	S100A4	1,9	2,5E-06	Homo sapiens S100 calcium binding protein A4 (S100A4), transcript variant 2, mRNA.
7210450	LMO4	1,9	6,8E-06	Homo sapiens LIM domain only 4 (LMO4), mRNA.
3800019	NCR3	1,9	1,3E-04	Homo sapiens natural cytotoxicity triggering receptor 3 (NCR3), mRNA.
7320731	MAP3K4	1,9	7,9E-05	Homo sapiens mitogen-activated protein kinase kinase kinase 4 (MAP3K4), transcript variant 1, mRNA.
6400564	HS.560343	1,9	1,3E-03	Homo sapiens mRNA; cDNA DKFZp686M2414 (from clone DKFZp686M2414)
2710754	CD96	1,9	1,4E-03	Homo sapiens CD96 molecule (CD96), transcript variant 1, mRNA.
520553	NCALD	1,9	2,0E-03	Homo sapiens neurocalcin delta (NCALD), transcript variant 3, mRNA.
70551	IQCG	1,9	1,0E-02	Homo sapiens IQ motif containing G (IQCG), mRNA.
4560743	CD96	1,9	1,2E-03	Homo sapiens CD96 molecule (CD96), transcript variant 2, mRNA.
4670193	PRF1	1,9	6,1E-04	Homo sapiens perforin 1 (pore forming protein) (PRF1), transcript variant 1, mRNA.
4810020	PLEK	1,9	7,9E-04	Homo sapiens pleckstrin (PLEK), mRNA.
7510377	MSC	1,9	4,3E-04	Homo sapiens musculin (activated B-cell factor-1) (MSC), mRNA.
60093	NCALD	1,8	2,5E-03	Homo sapiens neurocalcin delta (NCALD), mRNA.
450553	AHNAK	1,8	5,7E-04	Homo sapiens AHNAK nucleoprotein (AHNAK), transcript variant 1, mRNA.
5910523	LMO4	1,8	3,1E-06	Homo sapiens LIM domain only 4 (LMO4), mRNA.
7330538	PYHIN1	1,8	2,8E-05	Homo sapiens pyrin and HIN domain family, member 1 (PYHIN1), transcript variant a1, mRNA.
3850021	CASP4	1,8	2,8E-05	Homo sapiens caspase 4, apoptosis-related cysteine peptidase (CASP4), transcript variant alpha, mRNA.
4490673	TWIST1	1,8	2,4E-04	Homo sapiens twist homolog 1 (Drosophila) (TWIST1), mRNA.
5290678	FLJ20021	1,8	9,0E-04	PREDICTED: Homo sapiens hypothetical LOC90024 (FLJ20021), mRNA.
7380255	ARAP3	1,8	4,1E-05	Homo sapiens ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 3 (ARAP3), mRNA.
6550008	IL26	1,8	5,3E-04	Homo sapiens interleukin 26 (IL26), mRNA.
4220068	CD70	1,8	1,9E-05	Homo sapiens CD70 molecule (CD70), mRNA.
1450193	LGALS1	1,8	2,2E-03	Homo sapiens lectin, galactoside-binding, soluble, 1 (LGALS1), mRNA.
3870706	FURIN	1,8	8,6E-05	Homo sapiens furin (paired basic amino acid cleaving enzyme) (FURIN), mRNA.
270338	TRAT1	1,7	3,2E-05	Homo sapiens T cell receptor associated transmembrane adaptor 1 (TRAT1), mRNA.
1230048	ABCB1	1,7	4,3E-06	Homo sapiens ATP-binding cassette, sub-family B (MDR/TAP), member 1 (ABCB1), mRNA.
7550112	CITED2	1,7	1,9E-05	Homo sapiens Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2 (CITED2)
3310142	TTC39C	1,7	7,9E-05	Homo sapiens tetratricopeptide repeat domain 39C (TTC39C), mRNA.
1440437	LOC151162	1,7	6,9E-07	Homo sapiens hypothetical LOC151162 (LOC151162), non-coding RNA.
6520180	IL18RAP	1,7	2,4E-02	Homo sapiens interleukin 18 receptor accessory protein (IL18RAP), mRNA.
620717	CCL5	1,7	2,7E-02	Homo sapiens chemokine (C-C motif) ligand 5 (CCL5), mRNA.

1510364	GBP5	1,7	1,5E-03	Homo sapiens guanylate binding protein 5 (GBP5), mRNA.
4490176	RGS1	1,7	4,8E-02	Homo sapiens regulator of G-protein signaling 1 (RGS1), mRNA.
7150519	ARNTL	1,7	5,2E-04	Homo sapiens aryl hydrocarbon receptor nuclear translocator-like (ARNTL), transcript variant 2, mRNA.
6510608	BTBD11	1,7	9,0E-04	Homo sapiens BTB (POZ) domain containing 11 (BTBD11), transcript variant 1, mRNA.
3370053	HS.567469	1,7	1,6E-03	Homo sapiens T cell receptor beta variable 21-1, mRNA (cDNA clone MGC:46491 IMAGE:5225843), complete cds
5490240	MAP1LC3A	1,7	8,4E-03	Homo sapiens microtubule-associated protein 1 light chain 3 alpha (MAP1LC3A), transcript variant 2, mRNA.
3710647	MXD4	1,7	2,6E-02	Homo sapiens MAX dimerization protein 4 (MXD4), mRNA.
5900594	CD58	1,7	4,3E-05	Homo sapiens CD58 molecule (CD58), mRNA.
1230201	CTLA4	1,7	1,3E-02	Homo sapiens cytotoxic T-lymphocyte-associated protein 4 (CTLA4), transcript variant 1, mRNA.
3370768	C1ORF24	1,7	8,0E-04	Homo sapiens chromosome 1 open reading frame 24 (C1orf24), transcript variant 2, mRNA.
6480692	NCF4	1,7	6,0E-05	Homo sapiens neutrophil cytosolic factor 4, 40kDa (NCF4), transcript variant 1, mRNA.
5900725	PHLDA1	1,7	3,1E-03	Homo sapiens pleckstrin homology-like domain, family A, member 1 (PHLDA1), mRNA.
5050402	HIST1H2BK	1,7	1,8E-02	Homo sapiens histone cluster 1, H2bk (HIST1H2BK), mRNA.
3850246	HOPX	1,7	1,9E-02	Homo sapiens HOP homeobox (HOPX), transcript variant 3, mRNA.
990719	HS.579530	1,6	1,1E-03	AGENCOURT_14354957 NIH_MGC_191 Homo sapiens cDNA clone IMAGE:30413554 5, mRNA sequence
2230367	CERK	1,6	2,8E-05	Homo sapiens ceramide kinase (CERK), transcript variant 1, mRNA.
3610035	CD58	1,6	1,9E-05	Homo sapiens CD58 molecule (CD58), mRNA.
4570398	F2R	1,6	8,5E-05	Homo sapiens coagulation factor II (thrombin) receptor (F2R), mRNA.
670528	GYG1	1,6	5,0E-04	Homo sapiens glycogenin 1 (GYG1), mRNA.
5420377	LGALS3	1,6	5,5E-04	Homo sapiens lectin, galactoside-binding, soluble, 3 (galectin 3) (LGALS3), mRNA.
4050671	GNG4	1,6	1,6E-02	Homo sapiens guanine nucleotide binding protein (G protein), gamma 4 (GNG4), transcript variant 2, mRNA.
3290458	FEZ1	1,6	8,2E-04	Homo sapiens fasciculation and elongation protein zeta 1 (zygin I) (FEZ1), transcript variant 1, mRNA.
630161	RCAN2	1,6	2,0E-02	Homo sapiens regulator of calcineurin 2 (RCAN2), mRNA.
4900747	C11ORF75	1,6	6,7E-06	Homo sapiens chromosome 11 open reading frame 75 (C11orf75), mRNA.
6510689	HABP4	1,6	3,3E-05	Homo sapiens hyaluronan binding protein 4 (HABP4), mRNA.
5960239	CCR2	1,6	2,3E-05	Homo sapiens chemokine (C-C motif) receptor 2 (CCR2), transcript variant B, mRNA.
4250008	ATM	1,6	4,3E-03	Homo sapiens ataxia telangiectasia mutated (ATM), transcript variant 1, mRNA.
6860687	PYCARD	1,6	2,2E-05	Homo sapiens PYD and CARD domain containing (PYCARD), transcript variant 1, mRNA.
6220288	PRDM1	1,6	9,0E-04	Homo sapiens PR domain containing 1, with ZNF domain (PRDM1), transcript variant 1, mRNA.
6400370	IL12RB1	1,6	5,8E-05	Homo sapiens interleukin 12 receptor, beta 1 (IL12RB1), transcript variant 2, mRNA.
60470	STX11	1,6	5,8E-05	Homo sapiens syntaxin 11 (STX11), mRNA.
3990224	TNFRSF25	1,6	1,1E-03	Homo sapiens tumor necrosis factor receptor superfamily, member 25 (TNFRSF25), transcript variant 10, mRNA.
5290040	TNFRSF4	1,6	2,1E-02	Homo sapiens tumor necrosis factor receptor superfamily, member 4 (TNFRSF4), mRNA.
4780615	ANXA2	1,6	8,4E-03	Homo sapiens annexin A2 (ANXA2), transcript variant 1, mRNA.
10332	HIPK2	1,6	1,5E-04	Homo sapiens homeodomain interacting protein kinase 2 (HIPK2), mRNA.
7050711	LYST	1,6	1,7E-04	Homo sapiens lysosomal trafficking regulator (LYST), transcript variant 2, mRNA.
5690347	TPST2	1,6	1,1E-05	Homo sapiens tyrosylprotein sulfotransferase 2 (TPST2), transcript variant 1, mRNA.

160292	APOBEC3H	1,6	3,6E-02	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3H (APOBEC3H), mRNA.
3520327	LOC642161	1,6	2,0E-03	PREDICTED: Homo sapiens similar to T-cell receptor beta chain V region CTL-L17 precursor (LOC642161), mRNA.
4210397	GLDC	1,6	8,7E-03	Homo sapiens glycine dehydrogenase (decarboxylating) (GLDC), mRNA.
770538	LYSMD2	1,6	1,1E-04	Homo sapiens LysM, putative peptidoglycan-binding, domain containing 2 (LYSMD2), mRNA.
1580520	PTPN13	1,6	6,0E-05	Homo sapiens protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)
3060692	CERK	1,6	2,8E-04	Homo sapiens ceramide kinase (CERK), transcript variant 2, mRNA.
1980750	APOL3	1,6	6,2E-05	Homo sapiens apolipoprotein L, 3 (APOL3), transcript variant beta/a, mRNA.
830735	CENTA1	1,6	1,0E-03	Homo sapiens centaurin, alpha 1 (CENTA1), mRNA.
5860356	PTPRM	1,6	9,4E-04	Homo sapiens protein tyrosine phosphatase, receptor type, M (PTPRM), mRNA.
2900427	P2RX5	1,6	2,1E-03	Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 5 (P2RX5), transcript variant 2, mRNA.
7050152	EVI2B	1,6	1,4E-02	Homo sapiens ecotropic viral integration site 2B (EVI2B), mRNA.
3890138	MTMR11	1,6	2,1E-02	Homo sapiens myotubularin related protein 11 (MTMR11), mRNA.
5860204	FKBP11	1,6	2,3E-04	Homo sapiens FK506 binding protein 11, 19 kDa (FKBP11), mRNA.
5360736	HABP4	1,6	1,1E-04	Homo sapiens hyaluronan binding protein 4 (HABP4), mRNA.
7000270	PYHIN1	1,6	6,4E-04	Homo sapiens pyrin and HIN domain family, member 1 (PYHIN1), transcript variant b2, mRNA.
7570408	CCL5	1,6	2,5E-02	Homo sapiens chemokine (C-C motif) ligand 5 (CCL5), mRNA.
1470762	AUTS2	1,6	2,9E-05	Homo sapiens autism susceptibility candidate 2 (AUTS2), mRNA.
4120369	APOBEC3G	1,6	1,1E-03	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G (APOBEC3G), mRNA.
3140088	IL23R	1,6	3,2E-04	Homo sapiens interleukin 23 receptor (IL23R), mRNA.
4230735	FAM129A	1,6	8,0E-04	Homo sapiens family with sequence similarity 129, member A (FAM129A), transcript variant 2, mRNA.
6100482	ATP2B4	1,6	5,7E-04	Homo sapiens ATPase, Ca <sup>++</sup> transporting, plasma membrane 4 (ATP2B4), transcript variant 1, mRNA.
1410181	SAMSN1	1,5	9,3E-04	Homo sapiens SAM domain, SH3 domain and nuclear localization signals 1 (SAMSN1), mRNA.
2490537	TNFRSF1B	1,5	2,5E-05	Homo sapiens tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B), mRNA.
3180053	FAM129B	1,5	4,9E-03	Homo sapiens family with sequence similarity 129, member B (FAM129B), transcript variant 1, mRNA.
3390386	HS.567472	1,5	1,1E-03	BX400436 Homo sapiens T CELLS (JURKAT CELL LINE) COT 10-NORMALIZED
7400133	CUGBP2	1,5	4,1E-05	Homo sapiens CUG triplet repeat, RNA binding protein 2 (CUGBP2), transcript variant 3, mRNA.
7380100	MCL1	1,5	1,8E-03	Homo sapiens myeloid cell leukemia sequence 1 (BCL2-related) (MCL1), transcript variant 1, mRNA.
460164	FTHL11	1,5	2,8E-02	Homo sapiens ferritin, heavy polypeptide-like 11 (FTHL11) on chromosome 8.
6620392	LFNG	1,5	5,1E-04	Homo sapiens LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase (LFNG), transcript variant 1
1240593	CFLAR	1,5	5,0E-03	Homo sapiens CASP8 and FADD-like apoptosis regulator (CFLAR), mRNA.
2680543	PDE4B	1,5	2,0E-04	Homo sapiens phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)
5220240	FTH1	1,5	1,9E-03	Homo sapiens ferritin, heavy polypeptide 1 (FTH1), mRNA.
1430653	MTX3	1,5	3,8E-03	Homo sapiens metaxin 3 (MTX3), mRNA.
4150189	CTSL1	1,5	3,1E-02	Homo sapiens cathepsin L1 (CTSL1), transcript variant 1, mRNA.
6220671	PLAUR	1,5	4,3E-02	Homo sapiens plasminogen activator, urokinase receptor (PLAUR), transcript variant 2, mRNA.
7650121	HS.495041	1,5	1,8E-03	zu50f04.r1 Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE:741439 5
6900630	ATP2B4	1,5	2,3E-04	Homo sapiens ATPase, Ca <sup>++</sup> transporting, plasma membrane 4 (ATP2B4), transcript variant 2, mRNA.



5260403	ST3GAL5	1,5	4,3E-04	Homo sapiens ST3 beta-galactoside alpha-2,3-sialyltransferase 5 (ST3GAL5), transcript variant 2, mRNA.
1070451	ANXA5	1,5	6,4E-06	Homo sapiens annexin A5 (ANXA5), mRNA.
7150608	CXORF40B	1,5	2,1E-04	Homo sapiens chromosome X open reading frame 40B (CXorf40B), mRNA.
1780619	EHD1	1,5	1,2E-03	Homo sapiens EH-domain containing 1 (EHD1), mRNA.
7210253	LOC730415	1,5	3,6E-02	PREDICTED: Homo sapiens hypothetical LOC730415, transcript variant 2 (LOC730415), mRNA.
6380717	HSPA1A	1,5	9,6E-05	Homo sapiens heat shock 70kDa protein 1A (HSPA1A), mRNA.
2760544	PBX4	1,5	3,8E-02	Homo sapiens pre-B-cell leukemia homeobox 4 (PBX4), mRNA.
2480577	PDE4B	1,5	1,3E-04	Homo sapiens phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)
4390300	TOB1	1,5	7,9E-04	Homo sapiens transducer of ERBB2, 1 (TOB1), mRNA.
2760500	CD38	1,5	1,2E-03	Homo sapiens CD38 molecule (CD38), mRNA.
4760056	ELOVL4	1,5	3,7E-06	Homo sapiens elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4 (ELOVL4), mRNA.
730528	PLAUR	1,5	3,2E-03	Homo sapiens plasminogen activator, urokinase receptor (PLAUR), transcript variant 1, mRNA.
4010397	PLEKHG3	1,5	4,8E-04	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 3 (PLEKHG3)
4120689	FES	1,5	2,2E-02	Homo sapiens feline sarcoma oncogene (FES), mRNA.
270068	SMOX	1,5	1,8E-02	Homo sapiens spermine oxidase (SMOX), transcript variant 4, mRNA.
5870326	SLC2A8	1,5	1,9E-02	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 8 (SLC2A8), mRNA.
6020523	PPP2R2B	1,5	3,2E-03	Homo sapiens protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform (PPP2R2B)
4540086	LOC100129066	1,5	1,6E-03	Homo sapiens hypothetical LOC100129066 (LOC100129066), non-coding RNA
7040431	PRDM8	1,5	4,2E-04	Homo sapiens PR domain containing 8 (PRDM8), transcript variant 1, mRNA.
4570612	FASLG	1,5	2,2E-02	Homo sapiens Fas ligand (TNF superfamily, member 6) (FASLG), mRNA.
1030463	PROK2	1,5	1,3E-02	Homo sapiens prokineticin 2 (PROK2), mRNA.
6370082	HS.126245	1,5	3,9E-04	CR743148 NCI_CGAP_GC4 Homo sapiens cDNA clone IMAGp971L0563 ; IMAGE:1550800 5, mRNA sequence
2640301	TNF	1,5	8,4E-03	Homo sapiens tumor necrosis factor (TNF superfamily, member 2) (TNF), mRNA.
2060477	AGPAT9	1,5	4,8E-04	Homo sapiens 1-acylglycerol-3-phosphate O-acyltransferase 9 (AGPAT9), mRNA.
1090292	BMI1	1,5	5,2E-04	Homo sapiens BMI1 polycomb ring finger oncogene (BMI1), mRNA.
770730	ANXA2	1,5	3,4E-02	Homo sapiens annexin A2 (ANXA2), transcript variant 2, mRNA.
1190026	APOBEC3G	1,5	6,9E-03	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G (APOBEC3G), mRNA.
4200369	LOC642233	1,5	1,3E-02	PREDICTED: Homo sapiens hypothetical protein LOC642233 (LOC642233), mRNA.
4670615	LOC644846	1,5	1,8E-02	PREDICTED: Homo sapiens hypothetical protein LOC644846 (LOC644846), mRNA.
4730739	RPS6KA1	1,5	2,9E-05	Homo sapiens ribosomal protein S6 kinase, 90kDa, polypeptide 1 (RPS6KA1), transcript variant 1, mRNA.
940504	RUNX2	1,5	4,8E-02	Homo sapiens runt-related transcription factor 2 (RUNX2), transcript variant 1, mRNA.
3060609	PTPN13	1,5	7,1E-05	Homo sapiens protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)
2630017	TPST2	1,5	6,4E-05	Homo sapiens tyrosylprotein sulfotransferase 2 (TPST2), transcript variant 1, mRNA.
130274	LCK	1,5	1,9E-03	Homo sapiens lymphocyte-specific protein tyrosine kinase (LCK), transcript variant 2, mRNA.
2070037	ICOS	1,5	5,0E-04	Homo sapiens inducible T-cell co-stimulator (ICOS), mRNA.
1070544	EFHD2	1,5	1,7E-03	Homo sapiens EF-hand domain family, member D2 (EFHD2), mRNA.
1190039	HLA-DPA1	1,5	1,3E-02	Homo sapiens major histocompatibility complex, class II, DP alpha 1 (HLA-DPA1), mRNA.

2640768	CTSC	1,5	7,0E-04	Homo sapiens cathepsin C (CTSC), transcript variant 1, mRNA.
2000224	FAM89B	1,5	4,5E-03	Homo sapiens family with sequence similarity 89, member B (FAM89B), transcript variant 3, mRNA.
2000451	PYHIN1	1,5	9,5E-05	Homo sapiens pyrin and HIN domain family, member 1 (PYHIN1), transcript variant b2, mRNA.
3940703	RORA	1,5	9,1E-04	Homo sapiens RAR-related orphan receptor A (RORA), transcript variant 3, mRNA.
4150639	RBMS1	1,5	2,3E-04	Homo sapiens RNA binding motif, single stranded interacting protein 1 (RBMS1), transcript variant 3, mRNA.
5870164	SLA	1,5	1,0E-02	Homo sapiens Src-like-adaptor (SLA), transcript variant 2, mRNA.
2120746	HS.547738	1,5	4,5E-03	EST10086 human nasopharynx Homo sapiens cDNA, mRNA sequence
3930537	HS.567464	1,5	1,0E-02	Human T-cell receptor (V beta 4.1-variant, J beta 2.1, C beta 2) mRNA
360475	PLAUR	1,5	2,0E-02	Homo sapiens plasminogen activator, urokinase receptor (PLAUR), transcript variant 2, mRNA.
1980672	IL1A	1,4	4,7E-02	Homo sapiens interleukin 1, alpha (IL1A), mRNA.
4860280	HS.37648	1,4	2,4E-04	Homo sapiens cDNA FLJ31407 fis, clone NT2NE2000137
4230035	SIK3	1,4	5,2E-03	Homo sapiens SIK family kinase 3 (SIK3), mRNA.
3710553	SMOX	1,4	1,5E-02	Homo sapiens spermine oxidase (SMOX), transcript variant 2, mRNA.
2230097	TNFRSF25	1,4	8,0E-04	Homo sapiens tumor necrosis factor receptor superfamily, member 25 (TNFRSF25), transcript variant 12, mRNA.
6200669	HIST1H2BD	1,4	2,7E-02	Homo sapiens histone cluster 1, H2bd (HIST1H2BD), transcript variant 2, mRNA.
2260113	HCST	1,4	2,1E-02	Homo sapiens hematopoietic cell signal transducer (HCST), transcript variant 1, mRNA.
2470520	RBMS1	1,4	9,3E-04	Homo sapiens RNA binding motif, single stranded interacting protein 1 (RBMS1), transcript variant 3, mRNA.
7510524	CNGB1	1,4	3,4E-03	Homo sapiens cyclic nucleotide gated channel beta 1 (CNGB1), mRNA.
6620576	LOC641825	1,4	2,2E-02	PREDICTED: Homo sapiens hypothetical protein LOC641825 (LOC641825), mRNA.
650328	TNFRSF4	1,4	2,1E-02	Homo sapiens tumor necrosis factor receptor superfamily, member 4 (TNFRSF4), mRNA.
2000669	ARHGAP10	1,4	1,2E-03	Homo sapiens Rho GTPase activating protein 10 (ARHGAP10), mRNA.
3610730	KCNN4	1,4	2,0E-02	Homo sapiens potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4
4260309	MAST4	1,4	7,5E-04	Homo sapiens microtubule associated serine/threonine kinase family member 4 (MAST4), transcript variant 2
50332	MDFIC	1,4	9,2E-03	Homo sapiens MyoD family inhibitor domain containing (MDFIC), mRNA.
3940390	TBXAS1	1,4	1,5E-02	Homo sapiens thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A) (TBXAS1)
7210192	ADA	1,4	1,3E-03	Homo sapiens adenosine deaminase (ADA), mRNA.
5810278	SYTL2	1,4	9,3E-03	Homo sapiens synaptotagmin-like 2 (SYTL2), transcript variant d, mRNA.
6200692	FOXO3	1,4	1,8E-02	Homo sapiens forkhead box O3 (FOXO3), transcript variant 2, mRNA.
4860634	CCM2	1,4	7,5E-03	Homo sapiens cerebral cavernous malformation 2 (CCM2), transcript variant 1, mRNA.
2940537	PPP3CA	1,4	5,4E-04	Homo sapiens protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (PPP3CA), mRNA.
5550112	LOC650845	1,4	1,3E-05	PREDICTED: Homo sapiens similar to T-cell receptor alpha chain V region CTL-L17 precursor (LOC650845), mRNA
2230113	TANK	1,4	2,2E-03	Homo sapiens TRAF family member-associated NFKB activator (TANK), transcript variant 1, mRNA.
4540543	SUPT3H	1,4	2,2E-02	Homo sapiens suppressor of Ty 3 homolog (S. cerevisiae) (SUPT3H), transcript variant 2, mRNA.
5080709	DUSP22	1,4	2,5E-03	PREDICTED: Homo sapiens dual specificity phosphatase 22 (DUSP22), mRNA.
540563	HLA-DMA	1,4	6,1E-03	Homo sapiens major histocompatibility complex, class II, DM alpha (HLA-DMA), mRNA.
2810156	IGF2R	1,4	3,0E-03	Homo sapiens insulin-like growth factor 2 receptor (IGF2R), mRNA.
6020630	MMP25	1,4	9,7E-03	Homo sapiens matrix metalloproteinase 25 (MMP25), mRNA.

6450139	FTHL3	1,4	4,7E-02	Homo sapiens ferritin, heavy polypeptide-like 3 (FTHL3), non-coding RNA.
6660382	CDKN1A	1,4	3,7E-02	Homo sapiens cyclin-dependent kinase inhibitor 1A (p21, Cip1) (CDKN1A), transcript variant 1, mRNA.
3060008	C2CD4B	1,4	3,9E-03	Homo sapiens C2 calcium-dependent domain containing 4B (C2CD4B), mRNA.
2710064	LOC387763	1,4	6,2E-03	PREDICTED: Homo sapiens hypothetical LOC387763 (LOC387763), mRNA.
2490017	ZC3H12A	1,4	3,9E-03	Homo sapiens zinc finger CCCH-type containing 12A (ZC3H12A), mRNA.
6180445	LOC389286	1,4	2,9E-02	Homo sapiens similar to FKSG62 (LOC389286), mRNA.
650112	LST1	1,4	1,8E-02	Homo sapiens leukocyte specific transcript 1 (LST1), transcript variant 1, mRNA.
5870707	SERPINA10	1,4	4,1E-02	Homo sapiens serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10 (SERPINA10)
5870008	HS.534427	1,4	1,6E-02	Human mRNA for T-cell specific protein
5220661	CCR9	1,4	4,4E-03	Homo sapiens chemokine (C-C motif) receptor 9 (CCR9), transcript variant A, mRNA.
7560288	DCUN1D3	1,4	5,5E-03	Homo sapiens DCN1, defective in cullin neddylation 1, domain containing 3 (S. cerevisiae) (DCUN1D3), mRNA.
6940463	KCNIP3	1,4	6,2E-03	Homo sapiens Kv channel interacting protein 3, calsenilin (KCNIP3), transcript variant 2, mRNA.
1990753	SLA	1,4	2,1E-02	Homo sapiens Src-like-adaptor (SLA), mRNA.
1940041	NCF4	1,4	1,2E-02	Homo sapiens neutrophil cytosolic factor 4, 40kDa (NCF4), transcript variant 1, mRNA.
6650722	IL23R	1,4	3,8E-03	Homo sapiens interleukin 23 receptor (IL23R), mRNA.
4390301	TRPV2	1,4	9,6E-04	Homo sapiens transient receptor potential cation channel, subfamily V, member 2 (TRPV2), mRNA.
5570376	FAM50B	1,4	5,5E-03	Homo sapiens family with sequence similarity 50, member B (FAM50B), mRNA.
1470520	CMTM6	1,4	4,3E-03	Homo sapiens CKLF-like MARVEL transmembrane domain containing 6 (CMTM6), mRNA.
4830255	DPP4	1,4	4,3E-02	Homo sapiens dipeptidyl-peptidase 4 (DPP4), mRNA.
70592	VCL	1,4	3,1E-02	Homo sapiens vinculin (VCL), transcript variant 1, mRNA.
4810520	TRIB1	1,4	3,7E-02	Homo sapiens tribbles homolog 1 (Drosophila) (TRIB1), mRNA.
6250010	GPRIN3	1,4	5,6E-04	Homo sapiens GPRIN family member 3 (GPRIN3), mRNA.
3440674	ASB2	1,4	2,3E-02	Homo sapiens ankyrin repeat and SOCS box-containing 2 (ASB2), mRNA.
6270037	RAPGEF1	1,4	3,9E-03	Homo sapiens Rap guanine nucleotide exchange factor (GEF) 1 (RAPGEF1), transcript variant 2, mRNA.
4730703	CYTH1	1,4	3,9E-03	Homo sapiens cytohesin 1 (CYTH1), transcript variant 2, mRNA.
2350504	ECGF1	1,4	4,7E-03	Homo sapiens endothelial cell growth factor 1 (platelet-derived) (ECGF1), mRNA.
2940451	RAB9A	1,4	7,8E-03	Homo sapiens RAB9A, member RAS oncogene family (RAB9A), mRNA.
1010328	NEDD9	1,4	1,2E-04	Homo sapiens neural precursor cell expressed, developmentally down-regulated 9 (NEDD9), transcript variant 1
6290519	STOM	1,4	3,6E-03	Homo sapiens stomatin (STOM), transcript variant 1, mRNA.
4810333	IL12RB1	1,4	1,2E-03	Homo sapiens interleukin 12 receptor, beta 1 (IL12RB1), transcript variant 2, mRNA.
6270193	LOC390557	1,4	2,1E-03	PREDICTED: Homo sapiens hypothetical LOC390557 (LOC390557), mRNA.
6760546	TIPARP	1,4	2,2E-02	Homo sapiens TCDD-inducible poly(ADP-ribose) polymerase (TIPARP), mRNA.
130364	C5ORF62	1,4	1,7E-04	Homo sapiens chromosome 5 open reading frame 62 (C5orf62), mRNA.
3450280	PLEKHO1	1,4	5,2E-04	Homo sapiens pleckstrin homology domain containing, family O member 1 (PLEKHO1), mRNA.
3370037	HS.561747	1,4	1,8E-02	AGENCOURT_10520654 NIH_MGC_128 Homo sapiens cDNA clone IMAGE:6702588 5, mRNA sequence
1710546	CHST12	1,4	9,2E-03	Homo sapiens carbohydrate (chondroitin 4) sulfotransferase 12 (CHST12), mRNA.
290468	EIF2C2	1,4	4,0E-02	Homo sapiens eukaryotic translation initiation factor 2C, 2 (EIF2C2), mRNA.

4070524	CERKL	1,4	2,9E-03	Homo sapiens ceramide kinase-like (CERKL), transcript variant 1, mRNA.
2060291	STOM	1,4	4,7E-02	Homo sapiens stomatin (STOM), transcript variant 1, mRNA.
5260392	PRDM1	1,4	2,3E-02	Homo sapiens PR domain containing 1, with ZNF domain (PRDM1), transcript variant 1, mRNA.
1470014	LOC124220	1,4	2,1E-02	Homo sapiens similar to common salivary protein 1 (LOC124220), mRNA.
6130725	ARHGEF18	1,4	3,2E-02	Homo sapiens rho/rac guanine nucleotide exchange factor (GEF) 18 (ARHGEF18), mRNA.
3890382	ST3GAL5	1,4	1,4E-02	Homo sapiens ST3 beta-galactoside alpha-2,3-sialyltransferase 5 (ST3GAL5), transcript variant 2, mRNA.
3370075	S1PR4	1,4	3,9E-02	Homo sapiens sphingosine-1-phosphate receptor 4 (S1PR4), mRNA.
2970431	FTHL7	1,4	4,2E-04	Homo sapiens ferritin, heavy polypeptide-like 7 (FTHL7) on chromosome 13.
3800202	LOC390530	1,4	4,4E-02	PREDICTED: Homo sapiens similar to Ig heavy chain V-I region HG3 precursor (LOC390530), mRNA.
1400274	IL32	1,4	7,5E-04	Homo sapiens interleukin 32 (IL32), transcript variant 7, mRNA.
2640377	PGCP	1,4	7,2E-03	Homo sapiens plasma glutamate carboxypeptidase (PGCP), mRNA.
6180288	PTPRC	1,4	1,3E-02	Homo sapiens protein tyrosine phosphatase, receptor type, C (PTPRC), transcript variant 4, mRNA.
1470601	PFKFB3	1,4	2,4E-02	Homo sapiens 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 (PFKFB3), mRNA.
770167	CD79B	1,3	1,4E-03	Homo sapiens CD79b molecule, immunoglobulin-associated beta (CD79B), transcript variant 3, mRNA.
3890402	SLC25A24	1,3	1,0E-02	Homo sapiens solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 24
380672	ZC3H12C	1,3	2,1E-02	Homo sapiens zinc finger CCCH-type containing 12C (ZC3H12C), mRNA.
5670040	ELOVL6	1,3	2,2E-02	Homo sapiens ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)
4200148	CDC14B	1,3	1,6E-02	Homo sapiens CDC14 cell division cycle 14 homolog B (S. cerevisiae) (CDC14B), transcript variant 3, mRNA.
650619	FAM125B	1,3	2,0E-02	Homo sapiens family with sequence similarity 125, member B (FAM125B), transcript variant 1, mRNA.
580102	HS.554324	1,3	4,3E-02	full-length cDNA clone CS0DI056YK21 of Placenta Cot 25-normalized of Homo sapiens (human)
5810471	MYO1F	1,3	2,4E-03	Homo sapiens myosin IF (MYO1F), mRNA.
5900452	CHST7	1,3	1,4E-02	Homo sapiens carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 7 (CHST7), mRNA.
2750575	HS.534439	1,3	1,4E-02	full-length cDNA clone CS0CAP005YH21 of Thymus of Homo sapiens (human)
6580408	CTSW	1,3	2,0E-02	Homo sapiens cathepsin W (CTSW), mRNA.
3360112	TMEM2	1,3	4,4E-03	Homo sapiens transmembrane protein 2 (TMEM2), mRNA.
4120053	PFKFB3	1,3	1,8E-02	Homo sapiens 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 (PFKFB3), mRNA.
3140022	ZSCAN2	1,3	3,2E-03	Homo sapiens zinc finger and SCAN domain containing 2 (ZSCAN2), transcript variant 1, mRNA.
1510020	LRCH4	1,3	4,9E-03	Homo sapiens leucine-rich repeats and calponin homology (CH) domain containing 4 (LRCH4), mRNA.
1940482	KIFAP3	1,3	2,8E-03	Homo sapiens kinesin-associated protein 3 (KIFAP3), mRNA.
7380181	ELOVL6	1,3	3,2E-03	Homo sapiens ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)
4260661	MAPKAPK2	1,3	6,4E-03	Homo sapiens mitogen-activated protein kinase-activated protein kinase 2 (MAPKAPK2), transcript variant 2
5310411	H2AFJ	1,3	4,5E-02	Homo sapiens H2A histone family, member J (H2AFJ), transcript variant 1, mRNA.
4040754	PERP	1,3	2,5E-03	Homo sapiens PERP, TP53 apoptosis effector (PERP), mRNA.
6840475	HS.397465	1,3	6,1E-03	Homo sapiens mRNA; cDNA DKFZp686F1546 (from clone DKFZp686F1546)
7550484	SRGN	1,3	3,3E-02	Homo sapiens serglycin (SRGN), mRNA.
4040097	KLF6	1,3	4,7E-02	Homo sapiens Kruppel-like factor 6 (KLF6), transcript variant 2, mRNA.
1410279	APOBEC3F	1,3	7,6E-03	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3F (APOBEC3F)

7560037	KIAA1949	1,3	1,0E-02	Homo sapiens KIAA1949 (KIAA1949), mRNA.
1980451	C16ORF67	1,3	1,7E-02	Homo sapiens chromosome 16 open reading frame 67 (C16orf67), non-coding RNA.
3460142	SH2D2A	1,3	2,6E-02	Homo sapiens SH2 domain protein 2A (SH2D2A), mRNA.
4210619	CD2	1,3	1,1E-03	Homo sapiens CD2 molecule (CD2), mRNA.
7330070	LOC201175	1,3	4,2E-02	Homo sapiens hypothetical protein LOC201175 (LOC201175), mRNA.
4920053	BTG3	1,3	1,9E-02	Homo sapiens BTG family, member 3 (BTG3), mRNA.
3460008	TMEM173	1,3	1,3E-02	Homo sapiens transmembrane protein 173 (TMEM173), nuclear gene encoding mitochondrial protein, mRNA.
990735	RNF149	1,3	1,3E-02	Homo sapiens ring finger protein 149 (RNF149), mRNA.
6350189	MGC4677	1,3	3,3E-02	Homo sapiens hypothetical protein MGC4677 (MGC4677), mRNA.
4880193	KLRG1	1,3	4,2E-02	Homo sapiens killer cell lectin-like receptor subfamily G, member 1 (KLRG1), mRNA.
780168	ISCU	1,3	7,1E-03	Homo sapiens iron-sulfur cluster scaffold homolog (E. coli) (ISCU), nuclear gene encoding mitochondrial protein
7380601	ERMP1	1,3	3,0E-03	Homo sapiens endoplasmic reticulum metalloproteinase 1 (ERMP1), mRNA.
6860196	WIPF1	1,3	4,0E-03	Homo sapiens WAS/WASL interacting protein family, member 1 (WIPF1), transcript variant 2, mRNA.
5260475	LOC650815	1,3	7,0E-03	PREDICTED: Homo sapiens similar to T-cell receptor alpha chain V region CTL-L17 precursor (LOC650815), mRNA.
70431	LOC650799	1,3	2,4E-02	PREDICTED: Homo sapiens similar to Ig lambda chain V-I region BL2 precursor (LOC650799), mRNA.
1690446	PNPLA6	1,3	1,1E-02	Homo sapiens patatin-like phospholipase domain containing 6 (PNPLA6), mRNA.
3710626	DUSP22	1,3	1,8E-02	Homo sapiens dual specificity phosphatase 22 (DUSP22), mRNA.
6620397	ISCU	1,3	7,5E-03	Homo sapiens iron-sulfur cluster scaffold homolog (E. coli) (ISCU), nuclear gene encoding mitochondrial protein
5700088	KLF11	1,3	4,3E-03	PREDICTED: Homo sapiens Kruppel-like factor 11 (KLF11), mRNA.
450379	PRDM1	1,3	4,7E-03	Homo sapiens PR domain containing 1, with ZNF domain (PRDM1), transcript variant 2, mRNA.
4220767	SMAD7	1,3	9,9E-03	Homo sapiens SMAD family member 7 (SMAD7), mRNA.
130661	LOC650795	1,3	4,4E-03	PREDICTED: Homo sapiens similar to T-cell receptor alpha chain V region PY14 precursor (LOC650795), mRNA.
5420441	TNFSF9	1,3	7,6E-03	Homo sapiens tumor necrosis factor (ligand) superfamily, member 9 (TNFSF9), mRNA.
6250484	CFH	1,3	7,2E-03	Homo sapiens complement factor H (CFH), transcript variant 2, mRNA.
780278	SLC10A3	1,3	1,6E-02	Homo sapiens solute carrier family 10 (sodium/bile acid cotransporter family), member 3 (SLC10A3), mRNA.
4780102	DIS3L2	-1,3	3,1E-03	Homo sapiens DIS3 mitotic control homolog (S. cerevisiae)-like 2 (DIS3L2), mRNA.
2970296	ALG8	-1,3	2,9E-02	Homo sapiens asparagine-linked glycosylation 8, alpha-1,3-glucosyltransferase homolog (S. cerevisiae) (ALG8)
4390630	STAG3	-1,3	1,6E-02	Homo sapiens stromal antigen 3 (STAG3), mRNA.
5700273	RAB3GAP2	-1,3	9,5E-04	Homo sapiens RAB3 GTPase activating protein subunit 2 (non-catalytic) (RAB3GAP2), mRNA.
2140273	PRIM1	-1,3	3,6E-03	Homo sapiens primase, DNA, polypeptide 1 (49kDa) (PRIM1), mRNA.
1230470	RHOA	-1,3	1,3E-02	Homo sapiens ras homolog gene family, member U (RHOA), mRNA.
6420168	DBNDD2	-1,3	2,0E-02	Homo sapiens dysbindin (dystrobrevin binding protein 1) domain containing 2 (DBNDD2), transcript variant 3
5820491	MAP7	-1,3	5,5E-03	Homo sapiens microtubule-associated protein 7 (MAP7), mRNA.
5720598	MYO1B	-1,3	1,5E-02	Homo sapiens myosin IB (MYO1B), mRNA.
4040201	IL31	-1,3	1,1E-03	Homo sapiens interleukin 31 (IL31), mRNA.
5310747	PSIP1	-1,3	8,9E-03	Homo sapiens PC4 and SFRS1 interacting protein 1 (PSIP1), transcript variant 2, mRNA.
5910433	CHDH	-1,3	7,8E-03	Homo sapiens choline dehydrogenase (CHDH), mRNA.

7160753	SAE1	-1,3	5,2E-03	Homo sapiens SUMO1 activating enzyme subunit 1 (SAE1), mRNA.
1430735	NET1	-1,3	1,2E-02	Homo sapiens neuroepithelial cell transforming 1 (NET1), transcript variant 1, mRNA.
1240300	ENO3	-1,3	3,3E-02	Homo sapiens enolase 3 (beta, muscle) (ENO3), transcript variant 1, mRNA.
6420398	AKAP11	-1,3	7,6E-03	Homo sapiens A kinase (PRKA) anchor protein 11 (AKAP11), mRNA.
5720537	ACPL2	-1,3	7,5E-04	Homo sapiens acid phosphatase-like 2 (ACPL2), transcript variant 1, mRNA.
6510131	LOC728115	-1,3	1,5E-02	PREDICTED: Homo sapiens misc_RNA (LOC728115), miscRNA.
610435	SSB	-1,3	2,6E-02	Homo sapiens Sjogren syndrome antigen B (autoantigen La) (SSB), mRNA.
7570209	ARMC1	-1,3	1,3E-02	Homo sapiens armadillo repeat containing 1 (ARMC1), mRNA.
780162	SEPN1	-1,3	4,6E-03	Homo sapiens selenoprotein N, 1 (SEPN1), transcript variant 1, mRNA.
2100292	RBBP7	-1,3	4,1E-02	Homo sapiens retinoblastoma binding protein 7 (RBBP7), mRNA.
2100524	SPG11	-1,3	1,7E-02	Homo sapiens spastic paraplegia 11 (autosomal recessive) (SPG11), transcript variant 1, mRNA.
4230286	ZSWIM1	-1,3	1,3E-02	Homo sapiens zinc finger, SWIM-type containing 1 (ZSWIM1), mRNA.
2630474	MLLT11	-1,3	2,9E-02	Homo sapiens myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11
7050523	API5	-1,3	2,5E-02	Homo sapiens apoptosis inhibitor 5 (API5), mRNA.
4210553	C14ORF109	-1,3	4,0E-02	Homo sapiens chromosome 14 open reading frame 109 (C14orf109), transcript variant 2, mRNA.
1990379	SLFN11	-1,3	3,0E-02	Homo sapiens schlafen family member 11 (SLFN11), mRNA.
7150661	HK2	-1,3	4,2E-02	Homo sapiens hexokinase 2 (HK2), mRNA.
770592	TNFSF14	-1,3	2,2E-02	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 1, mRNA.
1450333	AKAP11	-1,3	3,4E-03	Homo sapiens A kinase (PRKA) anchor protein 11 (AKAP11), mRNA.
4890324	HS.538259	-1,3	2,2E-02	Homo sapiens cDNA clone IMAGE:5260685
3370092	STK39	-1,3	2,1E-02	Homo sapiens serine threonine kinase 39 (STE20/SPS1 homolog, yeast) (STK39), mRNA.
2970703	RNF125	-1,3	8,4E-03	Homo sapiens ring finger protein 125 (RNF125), mRNA.
4210189	TCEA1	-1,3	8,8E-03	Homo sapiens transcription elongation factor A (SII), 1 (TCEA1), transcript variant 1, mRNA.
6770343	ETFB	-1,3	4,7E-03	Homo sapiens electron-transfer-flavoprotein, beta polypeptide (ETFB), transcript variant 2, mRNA.
830768	FLJ43681	-1,3	9,4E-03	PREDICTED: Homo sapiens similar to 60S ribosomal protein L23a (FLJ43681), miscRNA.
7380270	MRPS35	-1,3	1,9E-02	Homo sapiens mitochondrial ribosomal protein S35 (MRPS35), nuclear gene encoding mitochondrial protein, mRNA.
3780451	CORO1B	-1,3	3,3E-02	Homo sapiens coronin, actin binding protein, 1B (CORO1B), transcript variant 1, mRNA.
6200685	PARVG	-1,3	1,3E-02	Homo sapiens parvin, gamma (PARVG), mRNA.
6040286	PER2	-1,3	3,9E-03	Homo sapiens period homolog 2 (Drosophila) (PER2), mRNA.
1300239	TRIM44	-1,3	2,1E-03	Homo sapiens tripartite motif-containing 44 (TRIM44), mRNA.
4250670	SLC43A3	-1,3	1,8E-02	Homo sapiens solute carrier family 43, member 3 (SLC43A3), mRNA.
6250553	ITFG3	-1,3	2,4E-02	Homo sapiens integrin alpha FG-GAP repeat containing 3 (ITFG3), mRNA.
3420739	SNTB1	-1,3	2,6E-03	Homo sapiens syntrophin, beta 1 (dystrophin-associated protein A1, 59kDa, basic component 1) (SNTB1), mRNA.
940471	C5ORF13	-1,3	1,8E-02	Homo sapiens chromosome 5 open reading frame 13 (C5orf13), mRNA.
1170440	AHCYL1	-1,3	1,8E-03	Homo sapiens adenosylhomocysteinase-like 1 (AHCYL1), mRNA.
1170673	TNFSF14	-1,3	1,9E-02	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 2, mRNA.
1050082	KIAA1147	-1,3	3,7E-02	Homo sapiens KIAA1147 (KIAA1147), mRNA.

6550209	KIF2A	-1,3	1,7E-02	Homo sapiens kinesin heavy chain member 2A (KIF2A), mRNA.
7320041	CHST15	-1,3	3,9E-02	Homo sapiens carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase 15 (CHST15), mRNA.
2340709	ZMYM3	-1,3	3,4E-02	Homo sapiens zinc finger, MYM-type 3 (ZMYM3), transcript variant 2, mRNA.
5360121	THYN1	-1,4	3,4E-03	Homo sapiens thymocyte nuclear protein 1 (THYN1), transcript variant 2, mRNA.
7330180	AUH	-1,4	1,1E-03	Homo sapiens AU RNA binding protein/enoyl-Coenzyme A hydratase (AUH)
510452	FHIT	-1,4	4,2E-03	Homo sapiens fragile histidine triad gene (FHIT), mRNA.
6020468	PPP1R14A	-1,4	5,4E-04	Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 14A (PPP1R14A), mRNA.
6620475	ORC2L	-1,4	2,7E-03	Homo sapiens origin recognition complex, subunit 2-like (yeast) (ORC2L), mRNA.
1070035	ETFB	-1,4	3,2E-03	Homo sapiens electron-transfer-flavoprotein, beta polypeptide (ETFB), transcript variant 2, mRNA.
520184	HPCAL1	-1,4	4,7E-02	Homo sapiens hippocalcin-like 1 (HPCAL1), transcript variant 2, mRNA.
4490520	EBI2	-1,4	4,8E-02	Homo sapiens Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor) (EBI2), mRNA.
6180440	PSMC4	-1,4	2,2E-02	Homo sapiens proteasome (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4), transcript variant 1, mRNA.
1340491	SP110	-1,4	3,8E-02	Homo sapiens SP110 nuclear body protein (SP110), transcript variant b, mRNA.
7510392	DIP2B	-1,4	1,7E-04	Homo sapiens DIP2 disco-interacting protein 2 homolog B (Drosophila) (DIP2B), mRNA.
6270646	MYC	-1,4	2,8E-02	Homo sapiens v-myc myelocytomatosis viral oncogene homolog (avian) (MYC), mRNA.
7150059	STAMBPL1	-1,4	2,8E-03	Homo sapiens STAM binding protein-like 1 (STAMBPL1), mRNA.
7510367	GPR160	-1,4	3,2E-03	Homo sapiens G protein-coupled receptor 160 (GPR160), mRNA.
130433	CTTN	-1,4	2,1E-03	Homo sapiens cortactin (CTTN), transcript variant 1, mRNA.
4490053	IL10RA	-1,4	1,1E-02	Homo sapiens interleukin 10 receptor, alpha (IL10RA), mRNA.
6370414	CLECL1	-1,4	3,1E-02	Homo sapiens C-type lectin-like 1 (CLECL1), mRNA.
7560292	LOC100134018	-1,4	8,0E-04	PREDICTED: Homo sapiens similar to hCG1774568 (LOC100134018), mRNA.
20491	UBE2F	-1,4	2,9E-03	Homo sapiens ubiquitin-conjugating enzyme E2F (putative) (UBE2F), mRNA.
6350711	LPP	-1,4	2,0E-02	Homo sapiens LIM domain containing preferred translocation partner in lipoma (LPP), mRNA.
7050719	C1ORF162	-1,4	2,2E-02	Homo sapiens chromosome 1 open reading frame 162 (C1orf162), mRNA.
2230201	TARBP1	-1,4	1,3E-02	Homo sapiens TAR (HIV-1) RNA binding protein 1 (TARBP1), mRNA.
1340470	CECR5	-1,4	2,4E-02	Homo sapiens cat eye syndrome chromosome region, candidate 5 (CECR5), transcript variant 2, mRNA.
770424	CTGLF3	-1,4	1,5E-02	Homo sapiens centaurin, gamma-like family, member 3 (CTGLF3), mRNA.
6960397	EPHX2	-1,4	5,2E-03	Homo sapiens epoxide hydrolase 2, cytoplasmic (EPHX2), mRNA.
7040161	HELLS	-1,4	4,6E-02	Homo sapiens helicase, lymphoid-specific (HELLS), mRNA.
5050670	NUP160	-1,4	9,4E-03	Homo sapiens nucleoporin 160kDa (NUP160), mRNA.
4220605	ETS2	-1,4	8,9E-04	Homo sapiens v-ets erythroblastosis virus E26 oncogene homolog 2 (avian) (ETS2), mRNA.
4780196	CD300A	-1,4	2,5E-02	Homo sapiens CD300a molecule (CD300A), mRNA.
6550600	MYC	-1,4	2,4E-02	Homo sapiens v-myc myelocytomatosis viral oncogene homolog (avian) (MYC), mRNA.
4760427	AGTPBP1	-1,4	3,1E-02	Homo sapiens ATP/GTP binding protein 1 (AGTPBP1), mRNA.
4050400	HMMR	-1,4	3,8E-04	Homo sapiens hyaluronan-mediated motility receptor (RHAMM) (HMMR), transcript variant 1, mRNA.
1190452	SYPL1	-1,4	1,9E-03	Homo sapiens synaptophysin-like 1 (SYPL1), transcript variant 2, mRNA.
6100372	FIGNL1	-1,4	4,4E-03	Homo sapiens fidgetin-like 1 (FIGNL1), transcript variant 1, mRNA.

2140343	AGAP8	-1,4	5,9E-03	Homo sapiens ArfGAP with GTPase domain, ankyrin repeat and PH domain 8 (AGAP8), mRNA.
5260035	LGALS14	-1,4	5,2E-03	Homo sapiens lectin, galactoside-binding, soluble, 14 (LGALS14), transcript variant 1, mRNA.
110427	TCEA1	-1,4	3,6E-02	Homo sapiens transcription elongation factor A (SII), 1 (TCEA1), transcript variant 2, mRNA.
2640341	FKBP5	-1,4	7,6E-03	Homo sapiens FK506 binding protein 5 (FKBP5), mRNA.
3290685	DPYSL2	-1,4	2,8E-03	Homo sapiens dihydropyrimidinase-like 2 (DPYSL2), mRNA.
4050639	PAICS	-1,4	4,5E-03	Homo sapiens phosphoribosylaminoimidazole carboxylase, PAICS, transcript variant 2, mRNA.
160554	ARID5A	-1,4	3,0E-03	Homo sapiens AT rich interactive domain 5A (MRF1-like) (ARID5A), mRNA.
1070279	DLK2	-1,4	1,0E-03	Homo sapiens delta-like 2 homolog (Drosophila) (DLK2), transcript variant 2, mRNA.
870563	RNF138	-1,4	7,2E-03	Homo sapiens ring finger protein 138 (RNF138), transcript variant 1, mRNA.
1400037	OXCT2	-1,4	3,2E-03	Homo sapiens 3-oxoacid CoA transferase 2 (OXCT2), mRNA.
3800047	AIF1	-1,4	3,7E-02	Homo sapiens allograft inflammatory factor 1 (AIF1), transcript variant 1, mRNA.
6220242	ETFB	-1,4	3,2E-04	Homo sapiens electron-transfer-flavoprotein, beta polypeptide (ETFB), transcript variant 1, mRNA.
2760068	HS.481464	-1,4	5,5E-03	Homo sapiens cDNA FLJ13116 fis, clone NT2RP3002659
5390246	CCR7	-1,4	2,1E-02	Homo sapiens chemokine (C-C motif) receptor 7 (CCR7), mRNA.
540368	GAB2	-1,4	4,0E-03	Homo sapiens GRB2-associated binding protein 2 (GAB2), transcript variant 1, mRNA.
6560564	PRKCA	-1,4	1,1E-02	Homo sapiens protein kinase C, alpha (PRKCA), mRNA.
780240	C12ORF24	-1,4	1,4E-02	Homo sapiens chromosome 12 open reading frame 24 (C12orf24), mRNA.
6100468	NPTX1	-1,4	2,8E-02	Homo sapiens neuronal pentraxin I (NPTX1), mRNA.
5720424	NRP1	-1,4	1,5E-03	Homo sapiens neuropilin 1 (NRP1), transcript variant 1, mRNA.
2320017	IL13	-1,4	5,4E-04	Homo sapiens interleukin 13 (IL13), mRNA.
3840593	SP110	-1,4	2,7E-02	Homo sapiens SP110 nuclear body protein (SP110), transcript variant b, mRNA.
5560482	UBQLN2	-1,4	6,4E-05	Homo sapiens ubiquilin 2 (UBQLN2), mRNA.
3610372	C3ORF26	-1,4	4,0E-02	Homo sapiens chromosome 3 open reading frame 26 (C3orf26), mRNA.
2940403	FAM60A	-1,4	8,4E-03	Homo sapiens family with sequence similarity 60, member A (FAM60A), transcript variant 1, mRNA.
5490068	MCOLN2	-1,4	5,0E-04	Homo sapiens mucolipin 2 (MCOLN2), mRNA.
1090523	RYK	-1,4	8,9E-05	Homo sapiens RYK receptor-like tyrosine kinase (RYK), transcript variant 1, mRNA.
1440243	SEPX1	-1,4	2,2E-04	Homo sapiens selenoprotein X, 1 (SEPX1), mRNA.
3370372	C3ORF18	-1,4	5,4E-04	Homo sapiens chromosome 3 open reading frame 18 (C3orf18), mRNA.
3190112	SERPINB1	-1,4	3,6E-03	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 1 (SERPINB1), mRNA.
1230767	IFITM2	-1,5	1,4E-02	Homo sapiens interferon induced transmembrane protein 2 (1-8D) (IFITM2), mRNA.
160242	C13ORF15	-1,5	3,2E-02	Homo sapiens chromosome 13 open reading frame 15 (C13orf15), mRNA.
4070053	BCAR3	-1,5	9,5E-05	Homo sapiens breast cancer anti-estrogen resistance 3 (BCAR3), mRNA.
4040037	EBI2	-1,5	2,1E-02	Homo sapiens Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor) (EBI2), mRNA.
1030333	CCL2	-1,5	7,2E-03	Homo sapiens chemokine (C-C motif) ligand 2 (CCL2), mRNA.
4900653	IFFO2	-1,5	1,2E-02	Homo sapiens intermediate filament family orphan 2 (IFFO2), mRNA.
5820551	CT45A4	-1,5	9,2E-04	Homo sapiens cancer/testis antigen family 45, member A4 (CT45A4), mRNA.
5910541	CTNS	-1,5	3,7E-02	Homo sapiens cystinosis, nephropathic (CTNS), transcript variant 2, mRNA.



2320079	NME4	-1,5	4,1E-02	Homo sapiens non-metastatic cells 4, protein expressed in (NME4), nuclear gene encoding mitochondrial protein
620092	ATP6V0A2	-1,5	1,6E-02	Homo sapiens ATPase, H <sup>+</sup> transporting, lysosomal V0 subunit a2 (ATP6V0A2), mRNA.
4830674	BEX2	-1,5	1,5E-02	Homo sapiens brain expressed X-linked 2 (BEX2), mRNA.
4850253	TNFRSF8	-1,5	3,1E-02	Homo sapiens tumor necrosis factor receptor superfamily, member 8 (TNFRSF8), transcript variant 2, mRNA.
6760593	OSBPL10	-1,5	9,3E-05	Homo sapiens oxysterol binding protein-like 10 (OSBPL10), mRNA.
6660768	IRF2BP2	-1,5	4,3E-02	Homo sapiens interferon regulatory factor 2 binding protein 2 (IRF2BP2), transcript variant 1, mRNA.
580403	DFNA5	-1,5	3,3E-03	Homo sapiens deafness, autosomal dominant 5 (DFNA5), transcript variant 1, mRNA.
2810601	LEF1	-1,5	4,9E-03	Homo sapiens lymphoid enhancer-binding factor 1 (LEF1), mRNA.
1780402	SEPN1	-1,5	2,6E-04	Homo sapiens selenoprotein N, 1 (SEPN1), transcript variant 2, mRNA.
5890102	ENOPH1	-1,5	2,5E-05	Homo sapiens enolase-phosphatase 1 (ENOPH1), mRNA.
1170575	LOC100129882	-1,5	2,2E-02	PREDICTED: Homo sapiens similar to mCG49427 (LOC100129882), mRNA.
3890228	MPZL2	-1,5	9,8E-03	Homo sapiens myelin protein zero-like 2 (MPZL2), transcript variant 1, mRNA.
2630563	SLC39A14	-1,5	3,3E-03	Homo sapiens solute carrier family 39 (zinc transporter), member 14 (SLC39A14), mRNA.
6770242	MARCKSL1	-1,5	2,3E-04	Homo sapiens MARCKS-like 1 (MARCKSL1), mRNA.
4570255	LEF1	-1,5	2,4E-03	Homo sapiens lymphoid enhancer-binding factor 1 (LEF1), mRNA.
2640110	EXOC2	-1,5	1,7E-04	Homo sapiens exocyst complex component 2 (EXOC2), mRNA.
4810343	ETV3	-1,5	5,5E-03	Homo sapiens ets variant 3 (ETV3), transcript variant 2, mRNA.
2070373	DENND5A	-1,6	7,5E-04	Homo sapiens DENN/MADD domain containing 5A (DENND5A), mRNA.
3170593	PTPRA	-1,6	5,6E-04	Homo sapiens protein tyrosine phosphatase, receptor type, A (PTPRA), transcript variant 2, mRNA.
5080364	ACTN1	-1,6	1,8E-02	Homo sapiens actinin, alpha 1 (ACTN1), mRNA.
2940291	QPRT	-1,6	1,2E-02	Homo sapiens quinolinate phosphoribosyltransferase (QPRT), mRNA.
60706	SDCCAG3	-1,6	3,3E-04	Homo sapiens serologically defined colon cancer antigen 3 (SDCCAG3), transcript variant 3, mRNA.
1030364	NDFIP2	-1,6	1,6E-04	Homo sapiens Nedd4 family interacting protein 2 (NDFIP2), mRNA.
2320576	RBM47	-1,6	6,7E-06	Homo sapiens RNA binding motif protein 47 (RBM47), transcript variant 2, mRNA.
4920064	CISH	-1,6	4,9E-02	Homo sapiens cytokine inducible SH2-containing protein (CISH), mRNA.
7040553	SDCCAG3	-1,6	1,1E-04	Homo sapiens serologically defined colon cancer antigen 3 (SDCCAG3), transcript variant 3, mRNA.
1260064	LOC25845	-1,6	5,4E-04	Homo sapiens hypothetical LOC25845 (LOC25845), non-coding RNA.
5910609	IL4R	-1,6	2,9E-03	Homo sapiens interleukin 4 receptor (IL4R), transcript variant 1, mRNA.
7200301	ARID5A	-1,6	1,6E-03	Homo sapiens AT rich interactive domain 5A (MRF1-like) (ARID5A), mRNA.
2030142	CLC	-1,6	2,2E-02	Homo sapiens Charcot-Leyden crystal protein (CLC), mRNA.
630315	DHRS9	-1,6	1,7E-03	Homo sapiens dehydrogenase/reductase (SDR family) member 9 (DHRS9), transcript variant 1, mRNA.
5290626	C14ORF4	-1,6	2,9E-03	Homo sapiens chromosome 14 open reading frame 4 (C14orf4), mRNA.
1260270	AIM2	-1,6	1,9E-04	Homo sapiens absent in melanoma 2 (AIM2), mRNA.
7000356	RXRA	-1,6	2,4E-02	Homo sapiens retinoid X receptor, alpha (RXRA), mRNA.
1820632	PTGS2	-1,7	2,9E-03	Homo sapiens prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
6650242	IFITM3	-1,7	5,3E-03	Homo sapiens interferon induced transmembrane protein 3 (1-8U) (IFITM3), mRNA.
6980370	IRF4	-1,7	3,1E-04	Homo sapiens interferon regulatory factor 4 (IRF4), mRNA.

4120131	KISS1R	-1,7	1,3E-02	Homo sapiens KISS1 receptor (KISS1R), mRNA.
4200209	RBKS	-1,7	3,7E-02	Homo sapiens ribokinase (RBKS), mRNA.
4850014	ARID5A	-1,7	1,1E-04	Homo sapiens AT rich interactive domain 5A (MRF1-like) (ARID5A), mRNA.
4050491	TCEA3	-1,7	5,2E-03	Homo sapiens transcription elongation factor A (SII), 3 (TCEA3), mRNA.
610113	TNFSF14	-1,7	4,9E-04	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 1, mRNA.
5360156	IFITM1	-1,7	3,9E-03	Homo sapiens interferon induced transmembrane protein 1 (9-27) (IFITM1), mRNA.
5420564	NFIL3	-1,7	9,9E-04	Homo sapiens nuclear factor, interleukin 3 regulated (NFIL3), mRNA.
2640408	DENND5A	-1,7	2,9E-04	Homo sapiens DENN/MADD domain containing 5A (DENND5A), mRNA.
2850576	SEMA4A	-1,7	5,1E-04	Homo sapiens sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) andSEMA4A
70288	HS.150067	-1,7	1,6E-04	Homo sapiens cDNA FLJ43367 fis, clone NT2RP8000435
3840377	IL4	-1,8	1,2E-03	Homo sapiens interleukin 4 (IL4), transcript variant 2, mRNA.
5910719	GATA3	-1,8	2,4E-05	Homo sapiens GATA binding protein 3 (GATA3), transcript variant 2, mRNA.
6400243	ABLIM1	-1,8	2,5E-03	Homo sapiens actin binding LIM protein 1 (ABLIM1), transcript variant 2, mRNA.
450253	PTK2	-1,8	7,1E-06	Homo sapiens PTK2 protein tyrosine kinase 2 (PTK2), transcript variant 2, mRNA.
5270743	PTPRA	-1,8	4,0E-06	Homo sapiens protein tyrosine phosphatase, receptor type, A (PTPRA), transcript variant 3, mRNA.
630278	H1F0	-1,8	2,5E-03	Homo sapiens H1 histone family, member 0 (H1F0), mRNA.
4780600	RBM47	-1,8	1,7E-06	Homo sapiens RNA binding motif protein 47 (RBM47), transcript variant 1, mRNA.
5720609	DYNC2LI1	-1,8	2,3E-04	Homo sapiens dynein, cytoplasmic 2, light intermediate chain 1 (DYNC2LI1), transcript variant 1, mRNA.
4560328	FSCN1	-1,8	7,6E-03	Homo sapiens fascin homolog 1, actin-bundling protein (Strongylocentrotus purpuratus) (FSCN1), mRNA.
3450136	RNF144	-1,8	7,4E-06	Homo sapiens ring finger protein 144 (RNF144), mRNA.
3420332	SLC37A3	-1,8	1,8E-05	Homo sapiens solute carrier family 37 (glycerol-3-phosphate transporter), member 3 (SLC37A3)
240682	ANKRD37	-1,8	1,9E-02	Homo sapiens ankyrin repeat domain 37 (ANKRD37), mRNA.
6660161	RNF144A	-1,8	9,7E-07	Homo sapiens ring finger protein 144A (RNF144A), mRNA.
1990300	SOCS1	-1,9	1,3E-03	Homo sapiens suppressor of cytokine signaling 1 (SOCS1), mRNA.
2140059	C1ORF165	-1,9	1,8E-05	Homo sapiens chromosome 1 open reading frame 165 (C1orf165), mRNA.
2570112	ABLIM1	-1,9	1,6E-03	Homo sapiens actin binding LIM protein 1 (ABLIM1), transcript variant 4, mRNA.
540747	HS.276860	-1,9	3,3E-06	601441142F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3915971 5, mRNA sequence
4120437	RRS1	-1,9	2,2E-02	Homo sapiens RRS1 ribosome biogenesis regulator homolog (S. cerevisiae) (RRS1), mRNA.
6100414	UPRT	-2,0	1,0E-03	Homo sapiens uracil phosphoribosyltransferase (FUR1) homolog (S. cerevisiae) (UPRT), mRNA.
4220504	SERPINB6	-2,0	1,5E-05	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 6 (SERPINB6), mRNA.
6280184	MAN1C1	-2,0	1,7E-07	Homo sapiens mannosidase, alpha, class 1C, member 1 (MAN1C1), mRNA.
4880537	LIMA1	-2,0	3,1E-05	Homo sapiens LIM domain and actin binding 1 (LIMA1), mRNA.
2570291	IFNGR2	-2,0	1,0E-05	Homo sapiens interferon gamma receptor 2 (interferon gamma transducer 1) (IFNGR2), mRNA.
2000709	HS.266775	-2,1	9,5E-03	RST23048 Athersys RAGE Library Homo sapiens cDNA, mRNA sequence
2750280	CDK5R1	-2,1	1,7E-06	Homo sapiens cyclin-dependent kinase 5, regulatory subunit 1 (p35) (CDK5R1), mRNA.
1240730	SPINT2	-2,1	5,4E-04	Homo sapiens serine peptidase inhibitor, Kunitz type, 2 (SPINT2), mRNA.
6550528	MAOA	-2,2	1,7E-04	Homo sapiens monoamine oxidase A (MAOA), nuclear gene encoding mitochondrial protein, mRNA.

1070152	IL17RB	-2,2	1,4E-03	Homo sapiens interleukin 17 receptor B (IL17RB), mRNA.
830201	TSKU	-2,2	6,5E-05	Homo sapiens tsukushin (TSKU), mRNA.
150072	IRF8	-2,5	3,3E-04	Homo sapiens interferon regulatory factor 8 (IRF8), mRNA.
4540398	BEND5	-2,6	2,2E-05	Homo sapiens BEN domain containing 5 (BEND5), mRNA.
4180600	IL9	-2,8	5,3E-03	Homo sapiens interleukin 9 (IL9), mRNA.
1510008	GALR2	-2,8	1,2E-04	Homo sapiens galanin receptor 2 (GALR2), mRNA.
7040605	IL5	-2,9	5,6E-04	Homo sapiens interleukin 5 (colony-stimulating factor, eosinophil) (IL5), mRNA.
2120167	IL9	-2,9	4,5E-03	Homo sapiens interleukin 9 (IL9), mRNA.
7610131	EPAS1	-3,0	5,4E-04	Homo sapiens endothelial PAS domain protein 1 (EPAS1), mRNA.
1430634	MGC33556	-3,0	1,7E-06	Homo sapiens hypothetical LOC339541 (MGC33556), mRNA.
3310445	MRPS26	-3,1	2,9E-07	Homo sapiens mitochondrial ribosomal protein S26 (MRPS26), nuclear gene encoding mitochondrial protein, mRNA
3310050	GNRH2	-3,3	1,4E-04	Homo sapiens gonadotropin-releasing hormone 2 (GNRH2), transcript variant 1, mRNA.
4880678	GNRH2	-5,0	2,8E-05	Homo sapiens gonadotropin-releasing hormone 2 (GNRH2), transcript variant 2, mRNA.

**Supplemental Table 5:** Clinical parameters of HIV-infected study participants receiving viral-suppressive antiretroviral therapy (ART).

<b>Participant ID</b>	<b>CD4 counts<sup>#</sup></b>	<b>CD8 counts<sup>#</sup></b>	<b>Plasma viral load<sup>&amp;</sup></b>	<b>Time since infection<sup>*</sup></b>	<b>ART</b>	<b>Time of aviremia<sup>\$</sup></b>
<b>ART #1</b>	391	620	<40	165	Kivexa	54
<b>ART #2</b>	581	1060	<40	96	Sustiva, Truvada	5
<b>ART #3</b>	796	399	<40	8	Stribild	1
<b>ART #4</b>	459	545	<40	189	Truvada, Raltegravir	>12
<b>ART #5</b>	616	330	<40	180	Viracept, Truvada	30
<b>ART #6</b>	963	644	<40	123	Prevista, Kivexa, Norvir	111
<b>COL #1</b>	601	819	<40	267	Darunavir, Ritonavir, Raltegravir	58
<b>COL #2</b>	528	501	<40	248	Tivicay	84
<b>COL #3</b>	428	1035	<40	351	Etravirine, Raltegravir, Norvir, Darunavir	109
<b>COL #4</b>	935	581	<40	364	Truvada, Darunavir, Norvir	111
<b>COL #5</b>	439	685	<40	297	Norvir, Raltegravir, Darunavir, Maraviroc	100
<b>COL #6</b>	628	1063	<40	71	Tivicay	51
<b>COL #7</b>	254	689	<40	287	Dolutegravir, Etravirine, Darunavir, Norvir	86
<b>COL #8</b>	137	481	<40	321	Tenofovir, Ritonavir	103
<b>COL #9</b>	512	615	<40	194	Raltegravir, Truvada	103
<b>COL #10</b>	612	1104	<40	271	Reyataz, Complera, Raltegravir	121

#, cells/ $\mu$ l; &, HIV RNA copies per ml plasma; \*, months; ART, antiretroviral therapy; \$, months;  
 NA, information not available; COL, colonoscopy

**Supplemental Table 6: Antibodies used for flow cytometry analysis**

	<b>Fluorochrome</b>	<b>Clone</b>	<b>Vendor</b>
CCR6	PE	11A9	BD Pharmingen
CCR5	FITC	2D7/CCR5	(San Diego, CA, USA)
Ki67	FITC	B56	
CD25	BV421	M-A251	
Integrin $\beta$ 7	FITC	FIB504	eBioscience
phospho-mTOR	FITC	MRRBY	(San Diego, CA, USA)
CD56	FITC	MEM188	
CD8	PerCP-Cy5.5	RPA-T8	BioLegend
CD19	PerCP-Cy5.5	HIB19	(San Diego, CA, USA)
CD66b	PerCP-Cy5.5	CG10F5	
CD8	FITC	BW135/80	Miltenyi Biotech
CD19	FITC	LT19	(Auburn, CA, USA)
CXCR6	PE	56811	R&D Systems, (Minneapolis, MN, USA)
HIV-p24	FITC	KC57	Beckman Coulter (Brea, CA, USA)