Table S1. Full name Universal name, symbol and full name the genes and the house keeping gens (HKG) included in RT^2 gene profiler arrays used to determine gene/RNA expression of monocytes post co-culturing with ST285 with monocytes.

Position	Unigene	Symbol	Description	GENE name
A01	Hs.507080	APCS	Amyloid P component, serum	HEL-S-92n/PTX2/SAP
A02	Hs.529053	C3	Complement component 3	AHUS5/ARMD9/ASP/C3a/C3b/CPAMD1/HEL-S-62p
A03	Hs.2490	CASP1	Caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)	ICE/IL1BC/P45
A04	Hs.303649	CCL2	Chemokine (C-C motif) ligand 2	GDCF-2/HC11/HSMCR30/MCAF/MCP-1/MCP1/SCYA2/SMC-CF
A05	Hs.514821	CCL5	Chemokine (C-C motif) ligand 5	D17S136E/RANTES/SCYA5/SIS-delta/SISd/TCP228/eoCP
A06	Hs.184926	CCR4	Chemokine (C-C motif) receptor 4	CC-CKR-4/CD194/CKR4/CMKBR4/ChemR13/HGCN:14099/K5-5
A07	Hs.450802	CCR5	Chemokine (C-C motif) receptor 5	CC-CKR-5/CCCKR5/CCR-5/CD195/CKR-5/CKR5/CMKBR5/IDDM22
A08	Hs.46468	CCR6	Chemokine (C-C motif) receptor 6	BN-1/C-C CKR-6/CC-CKR-6/CCR-6/CD196/CKR-L3/CKRL3/CMKBR6/DCR2/DRY6/GPR29/GPRCY4/STRL22
A09	Hs.113222	CCR8	Chemokine (C-C motif) receptor 8	CC-CKR-8/CCR-8/CDw198/CKRL1/CMKBR8/CMKBRL2/CY6/GPRCY6/TER1
A10	Hs.163867	CD14	CD14 molecule	-
A11	Hs.631659	CD4	CD4 molecule	CD4mut
A12	Hs.472860	CD40	CD40 molecule, TNF receptor superfamily member 5	Bp50/CDW40/TNFRSF5/p50
B01	Hs.592244	CD40LG	CD40 ligand	CD154/CD40L/HIGM1/IGM/IMD3/T-BAM/TNFSF5/TRAP/gp39/hCD40L
B02	Hs.838	CD80	CD80 molecule	B7/B7-1/B7.1/BB1/CD28LG/CD28LG1/LAB7
B03	Hs.171182	CD86	CD86 molecule	B7-2/B7.2/B70/CD28LG2/LAB72
B04	Hs.85258	CD8A	CD8a molecule	CD8/Leu2/MAL/p32
B05	Hs.709456	CRP	C-reactive protein, pentraxin-related	PTX1
B06	Hs.1349	CSF2	Colony stimulating factor 2 (granulocyte-macrophage)	GMCSF
B07	Hs.632586	CXCL10	Chemokine (C-X-C motif) ligand 10	C7/IFI10/INP10/IP-10/SCYB10/crg-2/gIP-10/mob-1
B08	Hs.198252	CXCR3	Chemokine (C-X-C motif) receptor 3	CD182/CD183/CKR-L2/CMKAR3/GPR9/IP10-R/Mig-R/MigR
B09	Hs.190622	DDX58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	RIG-I/RIGI/RLR-1/SGMRT2
B10	Hs.2007	FASLG	Fas ligand (TNF superfamily, member 6)	ALPS1B/APT1LG1/APTL/CD178/CD95-L/CD95L/FASL/TNFSF6
B11	Hs.247700	FOXP3	Forkhead box P3	AIID/DIETER/IPEX/JM2/PIDX/XPID
B12	Hs.524134	GATA3	GATA binding protein 3	HDR/HDRS
C01	Hs.181244	HLA-A	Major histocompatibility complex, class I, A	HLAA
C02	Hs.650174	HLA-E	Major histocompatibility complex, class I, E	EA1.2/EA2.1/HLA-6.2/MHC/QA1

C03	Hs.643447	ICAM1	Intercellular adhesion molecule 1	BB2/CD54/P3.58
C04	Hs.37026	IFNA1	Interferon, alpha 1	IFL/IFN/IFN-ALPHA/IFN-alphaD/IFNA13/IFNA@
C05	Hs.529400	IFNAR1	Interferon (alpha, beta and omega) receptor 1	AVP/IFN-alpha-REC/IFNAR/IFNBR/IFRC
C06	Hs.93177	IFNB1	Interferon, beta 1, fibroblast	IFB/IFF/IFN-beta/IFNB
C07	Hs.856	IFNG	Interferon, gamma	IFG/IFI
C08	Hs.520414	IFNGR1	Interferon gamma receptor 1	CD119/IFNGR/IMD27A/IMD27B
C09	Hs.193717	IL10	Interleukin 10	CSIF/GVHDS/IL-10/IL10A/TGIF
C10	Hs.845	IL13	Interleukin 13	IL-13/P600
C11	Hs.41724	IL17A	Interleukin 17A	CTLA-8/CTLA8/IL-17/IL-17A/IL17
C12	Hs.83077	IL18	Interleukin 18 (interferon-gamma-inducing factor)	IGIF/IL-18/IL-1g/IL1F4
D01	Hs.1722	IL1A	Interleukin 1, alpha	IL-1A/IL1/IL1-ALPHA/IL1F1
D02	Hs.126256	IL1B	Interleukin 1, beta	IL-1/IL1-BETA/IL1F2
D03	Hs.701982	IL1R1	Interleukin 1 receptor, type I	CD121A/D2S1473/IL-1R-alpha/IL1R/IL1RA/P80
D04	Hs.89679	IL2	Interleukin 2	IL-2/TCGF/lymphokine
D05	Hs.98309	IL23A	Interleukin 23, alpha subunit p19	IL-23/IL-23A/IL23P19/P19/SGRF
D06	Hs.73917	IL4	Interleukin 4	BCGF-1/BCGF1/BSF-1/BSF1/IL-4
D07	Hs.2247	IL5	Interleukin 5 (colony-stimulating factor, eosinophil)	EDF/IL-5/TRF
D08	Hs.654458	IL6	Interleukin 6 (interferon, beta 2)	BSF2/HGF/HSF/IFNB2/IL-6
D09	Hs.624	CXCL8	Interleukin 8	GCP-1/GCP1/IL8/LECT/LUCT/LYNAP/MDNCF/MONAP/NAF/NAP-1/NAP1
D10	Hs.522819	IRAK1	Interleukin-1 receptor-associated kinase 1	IRAK/pelle
D11	Hs.289052	IRF3	Interferon regulatory factor 3	-
D12	Hs.166120	IRF7	Interferon regulatory factor 7	IMD39/IRF-7H/IRF7A/IRF7B/IRF7C/IRF7H
E01	Hs.172631	ITGAM	Integrin, alpha M (complement component 3 receptor 3 subunit)	CD11B/CR3A/MAC-1/MAC1A/MO1A/SLEB6
E02	Hs.656213	JAK2	Janus kinase 2	JTK10/THCYT3
E03	Hs.726603	LY96	Lymphocyte antigen 96	ESOP-1/MD-2/MD2/ly-96
E04	Hs.524579	LYZ	Lysozyme	LZM
E05	Hs.431850	MAPK1	Mitogen-activated protein kinase 1	ERK/ERK-2/ERK2/ERT1/MAPK2/P42MAPK/PRKM1/PRKM2/p38/p40/p41/p41mapk/p42-MAPK
E06	Hs.138211	MAPK8	Mitogen-activated protein kinase 8	JNK/JNK-46/JNK1/JNK1A2/JNK21B1/2/PRKM8/SAPK1/SAPK1c
E07	Hs.499674	MBL2	Mannose-binding lectin (protein C) 2, soluble	COLEC1/HSMBPC/MBL/MBL2D/MBP/MBP-C/MBP1/MBPD
E08	Hs.458272	MPO	Myeloperoxidase	-
E09	Hs.517307	MX1	Myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)	IFI-78K/IFI78/MX/MxA

E10	Hs.82116	MYD88	Myeloid differentiation primary response gene (88)	MYD88D
E11	Hs.618430	NFKB1	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	EBP-1/KBF1/NF-kB1/NF-kappa-B/NF-kappaB/NFKB-p105/NFKB-p50/NFkappaB/p105/p50
E12	Hs.81328	NFKBIA	Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	IKBA/MAD-3/NFKBI
F01	Hs.159483	NLRP3	NLR family, pyrin domain containing 3	AGTAVPRL/AII/AVP/C1orf7/CIAS1/CLR1.1/FCAS/FCAS1/FCU/MWS/NALP3/PYPAF1
F02	Hs.738731	NOD1	Nucleotide-binding oligomerization domain containing 1	CARD4/CLR7.1/NLRC1
F03	Hs.592072	NOD2	Nucleotide-binding oligomerization domain containing 2	ACUG/BLAU/CARD15/CD/CLR16.3/IBD1/NLRC2/NOD2B/PSORAS1
F04	Hs.538979	RAG1	Recombination activating gene 1	RAG-1/RNF74
F05	Hs.256022	RORC	RAR-related orphan receptor C	NR1F3/RORG/RZR-GAMMA/RZRG/TOR
F06	Hs.591607	SLC11A1	Solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	LSH/NRAMP/NRAMP1
F07	Hs.642990	STAT1	Signal transducer and activator of transcription 1, 91kDa	CANDF7/IMD31A/IMD31B/IMD31C/ISGF-3/STAT91
F08	Hs.463059	STAT3	Signal transducer and activator of transcription 3 (acute-phase response factor)	ADMIO/APRF/HIES
F09	Hs.80642	STAT4	Signal transducer and activator of transcription 4	SLEB11
F10	Hs.524518	STAT6	Signal transducer and activator of transcription 6, interleukin-4 induced	D12S1644/IL-4-STAT/STAT6B/STAT6C
F11	Hs.272409	TBX21	T-box 21	T-PET/T-bet/TBET/TBLYM
F12	Hs.29344	TICAM1	Toll-like receptor adaptor molecule 1	IIAE6/MyD88-3/PRVTIRB/TICAM-1/TRIF
G01	Hs.654532	TLR1	Toll-like receptor 1	CD281/TIL/TIL. LPRS5/rsc786
G02	Hs.519033	TLR2	Toll-like receptor 2	CD282/TIL4
G03	Hs.657724	TLR3	Toll-like receptor 3	CD283/IIAE2
G04	Hs.174312	TLR4	Toll-like receptor 4	ARMD10/CD284/TLR-4/TOLL
G05	Hs.604542	TLR5	Toll-like receptor 5	MELIOS/SLE1/SLEB1/TIL3
G06	Hs.575090	TLR6	Toll-like receptor 6	CD286
G07	Hs.659215	TLR7	Toll-like receptor 7	TLR7-like
G08	Hs.660543	TLR8	Toll-like receptor 8	CD288
G09	Hs.87968	TLR9	Toll-like receptor 9	CD289
G10	Hs.241570	TNF	Tumor necrosis factor	DIF/TNF-alpha/TNFA/TNFSF2
G11	Hs.591983	TRAF6	TNF receptor-associated factor 6	MGC:3310/RNF85
G12	Hs.75516	TYK2	Tyrosine kinase 2	IMD35/JTK1
H01	**Hs.520640**	**ACTB**	**Actin, beta**	**BRWS1/PS1TP5BP1**
H02	**Hs.534255**	**B2M**	**Beta-2-microglobulin**	-

H03	Hs.592355	GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	G3PD/GAPD/HEL-S-162eP
H04	Hs.412707	HPRT1	Hypoxanthine phosphoribosyltransferase 1	HGPRT/HPRT
H05	Hs.546285	RPLP0	Ribosomal protein, large, P0	L10E/LP0/P0/PRLP0/RPP0
H06	N/A	HGDC	Human Genomic DNA Contamination	HIGX1A
H07	N/A	RTC	Reverse Transcription Control	RTC
H08	N/A	RTC	Reverse Transcription Control	RTC
H09	N/A	RTC	Reverse Transcription Control	RTC
H10	N/A	PPC	Positive PCR Control	PPC
H11	N/A	PPC	Positive PCR Control	PPC
H12	N/A	PPC	Positive PCR Control	PPC

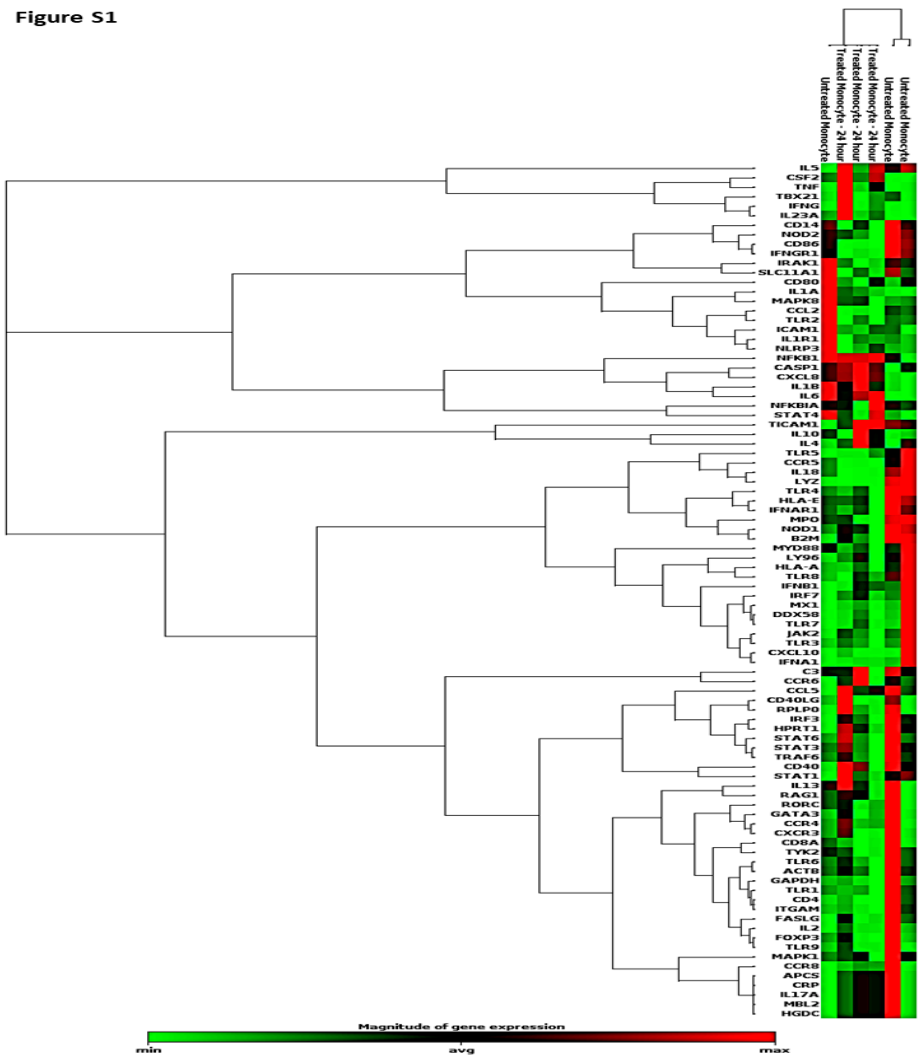

Figure S1. Effects of co-culturing ST285 with monocytes (n = 3) on gene/RNA expression compared to control monocytes after 24 h presented as Clustergram.

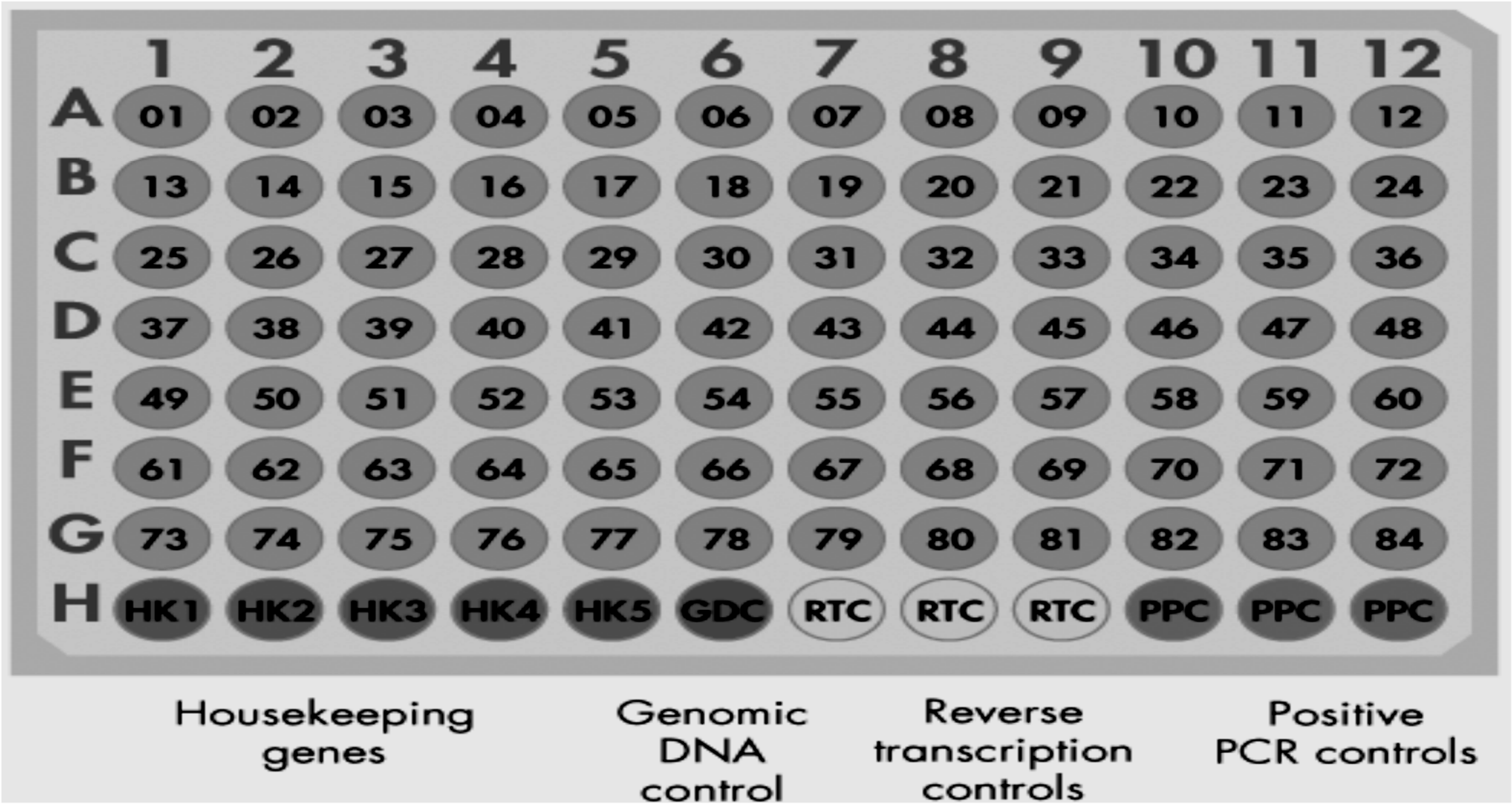

Figure S2. Position of the genes and the house keeping gens (HKG) included in RT2 gene profiler arrays used to determine gene/RNA expression of monocytes post co-culturing with ST285 with monocytes.