

Supplementary Table 2. Sequence of oligonucleotides used for qRT-PCR

Target	Sequence (5' – 3')
CD14	
Forward	CCGAGATGTATGTGGTCCAG
Reverse	GATCGAGCACTCTGAGCTTG
Probe ^a	AGCGCCCTAAACTCCCTCAATCTGT
CD16	
Forward	GCTCCGGATATCTTTGGTGA
Reverse	AGCACCTGTACCATTGAGG
Probe ^a	TTTCAGCTGGCATGCGGACTGAAGAT
S100A9	
Forward	GGACACAAATGCAGACAAGC
Reverse	AGACCTGGCTTATGGTGGTG
Probe ^a	AGTTCATCATGCTGATGGCGAGGCTA
CCR2	
Forward	CTTCTTCATCATCCTCCTGA
Reverse	GAATCTTCTTCCTGGCATT
Probe ^a	TGGTTGGTGGCTGTGTTTGCTTCTGT
GAPDH	
Forward	GCACCACCAACTGCTTAGCAC
Reverse	TCTTCTGGGTGGCAGTGATG
Probe ^a	TCGTGGAAGGACTCATGACCACAGTCC

a. Probes were modified with 5'– (6-carboxyfluorescein) and 3'– (tetramethylrhodamine) as the fluorophore and quencher respectively.

Supplementary Table 3. Top 50 genes expressed ≥ 2.0 -fold by classical monocytes in uninfected animals

Gene	Gene name	Fold change classical versus	
		Intermediate	Nonclassical
THBS1	thrombospondin 1	2.6	80.0
TREM1	triggering receptor expressed on myeloid cells 1	3.0	63.1
SERPINB10	serpin peptidase inhibitor, clade B member 10	2.6	61.8
CRISPLD2	cysteine-rich secretory protein LCCL domain containing 2	2.2	41.2
S100A8	S100 calcium binding protein A8	4.5	40.5
SLC7A11	solute carrier family 7 member 11	3.6	40.5
S100A9	S100 calcium binding protein A9	4.7	26.2
SLC2A3	solute carrier family 2 member 3	2.2	21.4
GAFA1	FGF2-associated protein GAFA1	2.3	16.6
IL8	interleukin 8	2.4	14.5
OSM	oncostatin M precursor	2.4	12.6
QPCT	glutaminyl-peptide cyclotransferase	3.6	10.5
KCNAB1	Potassium voltage-gated channel subunit beta 1	2.7	9.4
AAK1	AP2 Associated Kinase 1	3.5	9.1
BCL9L	B-cell CLL/lymphoma 9-like	2.5	8.4
ACSL1	acyl-CoA synthetase long-chain family member 1	2.2	7.0
SELL	selectin L	4.2	7.0
RAB3D	RAB3D, member Ras oncogene family	2.7	6.9
NRG1	neuregulin 1	2.6	6.6
ELL3	elongation factor RNA polymerase II-like 3	3.4	6.3
NCAM1	neural cell adhesion molecule 1	2.9	5.9
ZCCHC11	zinc finger, CCHC domain containing 11	2.8	5.6
FOSL2	FOS-like antigen 2	3.5	5.6
C6orf192	chromosome 6 open reading frame 192	2.2	5.6
NP	nucleoside phosphorylase	2.1	5.5
MGST1	microsomal glutathione S-transferase 1	3.6	5.5
CARS	cysteinyl-tRNA synthetase	2.6	5.4
KIN	KIN, antigenic determinant of recA protein homolog (mouse)	2.2	5.3
ATP13A3	ATPase type 13A3	2.5	5.1
JUN	jun oncogene	2.3	5.1
DCUN1D3	DCN1, defective in cullin neddylation 1, domain containing 3	3.6	5.1
PARD3	Par-3 Partitioning Defective 3 Homolog (C. elegans)	3.9	5.0
NUP188	nucleoporin 188kDa	3.3	5.0
SLC16A6	solute carrier family 16, member 6	2.7	5.0
TREML4	triggering receptor expressed on myeloid cells-like 4	3.9	4.9
TTC19	tetratricopeptide repeat domain 19	2.6	4.8
ERCC8	excision repair cross-complementing rodent repair deficiency, 8	3.5	4.7
RABEPK	Rab9 effector p40	3.5	4.7
BAG2	BCL2-associated athanogene 2	2.1	4.7
RAB23	RAB23, member Ras oncogene family	2.9	4.5
EEPD1	endonuclease/exonuclease/phosphatase family domain containing 1	2.3	4.5
TGFBR1	transforming growth factor, beta receptor 1	2.5	4.5
TSPAN3	tetraspanin 3	2.3	4.4
EML1	echinoderm microtubule associated protein like 1 isoform b	2.5	4.4
PRKCI	protein kinase C, iota	2.3	4.3
CDC42EP3	CDC42 effector protein (Rho GTPase binding) 3	2.2	4.2
SVIL	supervillin	2.6	4.2
LILRBC	leukocyte immunoglobulin-like receptor, subfamily B, member c	2.0	4.2
MALT1	mucosa associated lymphoid tissue lymphoma translocation gene 1	2.1	4.2
GCA	grancalcin, EF-hand calcium binding protein	4.8	4.2

Supplementary Table 4. Genes expressed ≥ 2.0 -fold by intermediate monocytes in uninfected animals

Gene	Gene name	Fold change intermediate versus	
		Classical	Nonclassical
CD1B	CD1b molecule	2.2	20.0
GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2	2.1	8.0
CD1C	CD1c molecule	2.2	7.3
LIPA	lipase A precursor	2.1	4.8
VSIG4	V-set and immunoglobulin domain containing 4	2.5	4.2
A2M	alpha-2-macroglobulin	2.8	4.1
ASPHD2	aspartate beta-hydroxylase domain containing 2	3.1	3.9
MERTK	c-mer proto-oncogene tyrosine kinase	2.7	3.6
ST3GAL5	ST3 beta-galactoside alpha-2,3-sialyltransferase 5	2.4	3.4
MPZL2	myelin protein zero-like 2	2.5	3.3
CDC42BPA	CDC42-binding protein kinase alpha isoform B	2.5	3.0
FABP5	fatty acid binding protein 5 (psoriasis-associated)	2.9	2.9
C3AR1	complement component 3a receptor 1	3.8	2.8
ABI3	ABI family, member 3	2.1	2.6
CLEC7A	C-type lectin domain family 7, member A	2.1	2.4
RAB11FIP4	RAB11 family interacting protein 4 (class II)	2.1	2.4
MGLL	monoglyceride lipase	2.8	2.2

Supplementary Table 5. Top 50 genes expressed ≥ 2.0 -fold by nonclassical monocytes in uninfected animals

Gene	Gene Title	Fold change nonclassical versus	
		Classical	Intermediate
GNLY	granulysin	82.2	27.0
MS4A7	membrane-spanning 4-domains, subfamily A, member 7	47.2	5.5
AHNAK2	AHNAK nucleoprotein 2	36.2	15.1
FCGR3A	Fc gamma receptor IIIa	35.6	4.1
GZMB	granzyme B	31.5	13.3
GZMH	Granzyme H precursor	30.1	14.8
CDKN1C	cyclin dependent kinase inhibitor 1C	25.2	10.8
C1QA	complement component 1, q subcomponent, A chain	23.3	3.4
SEPP1	selenoprotein P	22.9	2.5
LPL	lipoprotein lipase	19.4	3.9
DUSP5	dual specificity phosphatase 5	18.0	9.1
MTSS1L	metastasis suppressor 1-like	17.4	7.6
RAMP2	receptor (G protein-coupled) activity modifying protein 2	16.4	3.7
MT1E	metallothionein 1E	16.2	7.4
HTR7A	5-hydroxytryptamine receptor 7 isoform a	16.1	4.6
CD300E	CD300E molecule	15.8	2.7
TCF7L2	similar to Transcription factor 7-like 2	14.9	4.1
ADA	adenosine deaminase	14.0	4.1
GZMA	granzyme A	13.4	10.3
TOB1	transducer of Erbb2 1	12.8	5.2
C11orf95	chromosome 11 open reading frame 95	12.3	5.5
PSMC2	Similar to proteasome (prosome, macropain) 26S subunit, ATPase 2	12.2	4.6
NEU1	Sialidase 1 (lysosomal sialidase)	11.5	6.7
PAG1	phosphoprotein associated with glycosphingolipid microdomains 1	11.4	5.8
IFT81	intraflagellarTransport81	11.2	5.6
ITGAX	integrin, alpha X (complement component 3 receptor 4 subunit)	10.8	3.0
GPR155	G protein-coupled receptor 155	10.4	5.3
C1QC	complement component 1, q subcomponent, C chain	9.8	3.0
ARHGAP32	Rho GTPase-activating protein 32	9.8	10.5
HEG1	HEG homolog 1 (zebrafish)	9.5	5.1
HIST1H2BH	similar to Histone H2B 291B	9.4	9.3
CASP2	caspase 2, apoptosis-related cysteine peptidase	9.0	7.3
CCL5	chemokine (C-C motif) ligand 5	8.9	7.8
C18orf45	chromosome 18 open reading frame 45	8.8	8.8
NR4A1	nuclear receptor subfamily 4, group A, member 1	8.6	5.8
CSRP1	Cysteine and Glycine-Rice Protein 1	8.3	3.8
SCAMP5	similar to secretory carrier membrane protein 5	8.2	4.4
GUCY1A3	Guanylate Cyclase 1, Soluble, Alpha 3	8.2	5.3
CYFIP2	similar to cytoplasmic FMR1 interacting protein 2	8.2	5.6
SASH1	SAM and SH3 domain containing 1	8.1	2.5
NKG7	natural killer cell group 7 sequence	8.0	4.8
NKG2D	NKG2D protein	8.0	5.7
C1QB	similar to Complement C1q subcomponent subunit B precursor	8.0	2.3
FMNL2	formin-like 2	7.9	4.7
CARM1	coactivator-associated arginine methyltransferase 1	7.8	3.8
TNF	tumor necrosis factor	7.5	4.7
ITGAD	similar to integrin, alpha D precursor	7.4	3.1
CAMK2G	calcium/calmodulin-dependent protein kinase II gamma	7.4	7.8
ITGAL	integrin, alpha L (antigen CD11A (p180), LFA1; alpha polypeptide)	7.3	2.4

Supplementary Table 6. Top 50 genes expressed ≥ 2.0 -fold by classical and intermediate monocytes in uninfected animals

Gene	Gene Title	Fold change versus nonclassical	
		Classical	Intermediate
VCAN	versican	148.2	86.7
SERPINB2	serpin peptidase inhibitor, clade B (ovalbumin), member 2	109.3	60.3
FN1	fibronectin 1	65.9	46.9
CYP1B1	cytochrome P450, family 1, subfamily B, polypeptide 1	65.7	77.0
ALOX5AP	arachidonate 5-lipoxygenase-activating protein	65.0	25.1
PTGS2	prostaglandin H synth 2	48.4	35.6
SDC2	budding uninhibited by benzimidazoles 3 homolog	47.4	46.1
VEGFA	vascular endothelial growth factor A	46.5	22.8
BASP1	brain abundant, membrane attached signal protein 1	42.4	34.3
RIN2	Ras and Rab interactor 2	37.9	50.7
IL13RA1	Interleukin-13 receptor alpha-1 chain	30.5	25.9
ADAM19	ADAM metallopeptidase domain 19	29.1	19.1
DEPDC1	DEP domain containing 1	26.1	15.9
MS4A6A	membrane-spanning 4-domains, subfamily A, member 6A	24.9	50.0
FCAR	Fc fragment of IgA, receptor for	24.7	12.6
PID1	phosphotyrosine interaction domain containing 1	24.5	18.4
DCP2	DCP2 decapping enzyme	23.9	24.4
KIR3DL	killer immunoglobulin-like receptor KIR3DL	22.4	19.2
ADO	2-aminoethanethiol (cysteamine) dioxygenase	20.2	10.2
CCR1	chemokine (C-C motif) receptor 1	20.1	16.1
ACVR2A	activin A receptor, type IIA	18.8	22.6
SSH2	slingshot 2	18.2	30.4
SLC38A2	solute carrier family 38, member 2	17.9	11.1
F3	coagulation factor III (thromboplastin, tissue factor)	17.9	11.7
FCGR2B	Fc fragment of IgG, low affinity IIb, receptor (CD32)	17.8	19.9
RUNX1	runt-related transcription factor 1	17.5	13.0
GSN	gelsolin	17.1	15.7
PRDM1	PR domain containing 1, with ZNF domain	16.1	19.4
RUNX2	runt-related transcription factor 2	15.6	13.4
ADORA2B	adenosine A2b receptor	15.4	8.0
NEK6	NIMA (never in mitosis gene a)-related kinase 6	13.2	7.1
GAS7	growth-arrest-specific protein 7	13.1	10.8
RB1	retinoblastoma 1	12.3	13.4
CD163	CD163 molecule	12.3	10.9
THBD	thrombomodulin	12.2	8.3
ADRB1	adrenergic, beta-1-, receptor	12.0	11.4
NUFIP1	nuclear fragile X mental retardation protein interacting protein 1	11.7	7.9
EGR2	early growth response 2	11.0	9.2
SERPINB6	serpin peptidase inhibitor, clade B (ovalbumin), member 6	10.7	6.5
LGALS1	lectin, galactoside-binding, soluble, 1	10.7	11.4
KIR3DL17	killer-cell Ig-like receptor KIR3DL17	10.5	9.0
MSR1	macrophage scavenger receptor 1	10.4	14.1
P2RY2	purinergic receptor P2Y, G-protein coupled, 2	10.2	11.9
CSDA	cold shock domain protein A	9.9	8.9
SLC2A5	solute carrier family 2 member 5	9.8	8.1
PLP2	proteolipid protein 2	9.5	5.3
TLR4	toll-like receptor 4	9.4	10.1
HNRPLL	heterogeneous nuclear ribonucleoprotein L-like	9.3	5.3
SEMA4C	Semaphorin 4C	9.2	12.0
GPR183	G protein-coupled receptor 183	9.0	12.6

Supplementary Table 7. Genes expressed ≥ 2.0 -fold by intermediate and nonclassical monocytes in uninfected animals

Gene	Gene Title	Fold change versus classical	
		Intermediate	Nonclassical
FCGR3B	Fc fragment of IgG, low affinity IIIb, receptor	22.6	46.5
PLVAP	plasmalemma vesicle associated protein	7.7	14.2
RNF144B	ring finger protein 144B	4.4	9.8
CCND2	cyclin D2	6.5	9.3
PAQR4	progesterin and adipoQ receptor family member IV	4.6	8.1
PIK3R3	phosphoinositide-3-kinase, regulatory subunit 3 (gamma)	3.0	6.7
LILRA1	leukocyte immunoglobulin-like receptor, subfamily A member 1	4.1	6.6
SUSD3	sushi domain containing 3	3.1	5.5
ARPC1A	actin related protein 2/3 complex subunit 1A	2.7	5.0
LY6E	lymphocyte antigen 6 complex, locus E	2.5	4.8
SPN	sialophorin (CD43)	2.8	4.8
PRR5L	Rho GTPase activating protein 8	2.9	4.7
UCP2	uncoupling protein 2	3.4	4.4
SQLE	squalene epoxidase	3.0	4.4
VMO1	Vitelline membrane outer layer protein 1 homolog	3.3	4.4
PALLD	palladin, cytoskeletal associated protein	2.2	4.1
LRRC25	leucine rich repeat containing 25	2.3	3.8
HSPD1	60 kDa heat shock protein, mitochondrial precursor	3.5	3.8
LILRB1	leukocyte immunoglobulin-like receptor, subfamily B, member 1 (CD85)	2.0	3.6
CD83	CD83 molecule	2.4	3.3
ALDH2	aldehyde dehydrogenase, mitochondrial-like	2.4	3.3
ASCC3	activating signal cointegrator 1 complex subunit 3	2.1	3.2
PLA1A	phospholipase A1 member A	4.1	3.1
DNM1	dynammin-1-like	2.4	3.0
BPTF	nucleosome-remodeling factor subunit BPTF-like	2.8	2.9
CTSC	cathepsin C	3.4	2.7
CD4	CD4 molecule	2.8	2.6
CTPS	CTP synthase	2.7	2.6
NAGA	N-acetylgalactosaminidase, alpha	2.2	2.1