

**S2 Table. Primer sequences used for real-time PCR analysis.** NCBI accession number, gene symbol and synonym, sequences of forward (F) and reverse (R) primers.

No	Symbol	Synonym	Acc. no.	Primer sequences
<b>Bet v 1 regulated genes from the gene signature array</b>				
1	IL3		NM_000588	F: TTGCCTTTGCTGGACTTCAA R: TTGAATGCCTCCAGGTTTGG
2	IL4		NM_172348	F: CGACTGCACAGCAGTTCCA R: CTCTGGTTGGCTTCCTTCA
3	IL5	TRF	NM_000879	F: TGCTGATAGCCAATGAGACTCTGA R: AGTGTGCCTATTCCTGAAAGATT
4	IL13	ALRH BHR1	NM_002188	F: ACCTGACAGCTGGCATGTACTG R: TGGGTCTTCTCGATGGCACT
5	CXCL10	INP10 SCYB10	NM_001565	F: AAGCAGTTAGCAAGGAAAGGTCTAA R: AGCCTCTGTGTGGTCCATCC
6	CXCL11	ITAC SCYB11 SCYB9B	NM_005409	F: GTGTGCTACAGTTGTTCAAGGCTTC R: TTACCCAGGGCCTATGCAA
<b>Markers of early cell activation</b>				
7	EGR-1	KROX24 NGFIA ZIF268	NM_001964	F: TGAACGCAAGAGGCATACCA R: AAGCAGGGGGAACAGAGGA
8	EGR-2	KROX20	NM_000399	F: GCAAATGATGACCGCCAAG R: GGATATGGGAGATCCAACGAC
9	EGR-3	PILOT	NM_004430	F: CAATCTGTACCCCGAGGAG R: TGGTCAGACCGATGTCCATTAC
<b>Genes used to study Fcε receptor activation</b>				
10	IL1β	IL1F2	NM_000576	F: GTACCTGAGCTCGCCAGTGA R: TCGGAGATTCGTAGCTGGATG
11	IL6	IFNB2	NM_000600	F: GTACATCCTCGACGGCATCTC R: GGCAAGTCTCCTCATTGAATC
12	TNFα	TNFSF2	NM_000594	F: ATGTTGTAGCAAACCCTCAAGCT R: TTGGCCAGGAGGGCATT
<b>Fcε receptor genes</b>				
14	FcεRIα	FcERI	NM_002001	F: CATGGAATCCCCTACTCTACTGTGT R: CCTTAGGTTTCTGAGGGACTGCTA
15	FcεRIβ	MS4A2	NM_000139	F: GAGAAATGCAACATATCTGGTGAGAG R: AGGTTGATGATCAGGATGGTAATTC
16	FcεRIγ		NM_004106	F: TCTACTGTCGACTGAAGGTAATCCA R: GAGTCTCGTAAGTCTCCTGGTTCCT
17	CD23	FCER2 CLEC4J FCE2 IGEBF	NM_002002	F: AGGTGTCCAGCGGCTTTGT R: AGCACTCCGTTGGAAATTGA

No	Symbol	Synonym	Acc. no.	Primer sequences
<b>Lineage marker genes</b>				
30	CD3E		NM_000733.3	F: CTGGCGGCAGGCAAAGG R: TTCCGGATGGGCTCATAGTCT
31	CD14		NM_000591.3	F: CGGAAGACTTATCGACCATGGA R: GACGCAGCGGAAATCTTCA
32	CD19	B4 CVID3	NM_001178098.1	F: TGACCCCACCAGGAGATTCTT R: CACGTTCCCGTACTGGTTCTG
33	CD20	MS4A1 B1	NM_021950.3	F: CACTCTTCAGGAGGATGTCTTCAC R: GACAGCCCCCAAAGTCTTAGATT
34	CD40	CDW40 TNFRSF5	NM_001250.4	F: TGCCAGCCAGGACAGAAAC R: TGTGTCTCTCTGTTCCAGGTGTCT
35	CD80	B7-1 CD28LG	NM_005191.3	F: ACATCACCATCCAAGTGTCCATAC R: TAACACCTGAACAGAAGTGAGAAAGAC
36	HLA-DRA		NM_019111.4	F: GCCCTGGGCCTGACTGT R: CATCACCTCCATGTGCCTTACA
<b>Housekeeping genes</b>				
37	EF1A	EEF1A1	NM_001402	F: ATTACAGGGACATCTCAGGCTGAC R: CATTCTTGGAGATACCAGCTTCAA
38	UBC		NM_021009	F: ATTTGGGTCGCAGTTCTTG R: TGCCTTGACATTCTCGATGGT