Additional file 1 Optimization and validation of qPCR for CD62L and CX3CR1

| Target	Product melt.temp. (°C)	Exon junctions in	Intron size (bp)
CD62L	88.0	product	885/1,816
CX3CR1	87.5	product	10,756

Product melting temperature (°C) and length of intron in base pairs (bp).
Products were spanning over exon junctions.

Target	Annealing temp./time (°C/s)	Extension temp./time (°C/s)	ΔCt(RT+ to RT-)	Slope	Correlation coefficient (Pearson) R^2	Verified dynamic range
CD62L	60/30	72/20	>13	-3.448	0.999	10^6
CX3CR1	70/30	72/30	>15	-3.309	0.999	10^7

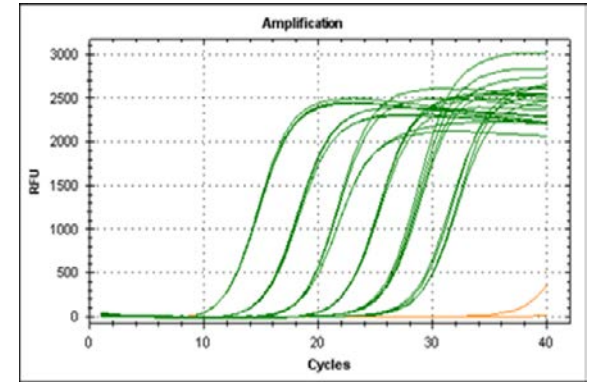Optimized protocol for the amplification of target sequences.

CD62L (1:10 serial dilution of PCR product)
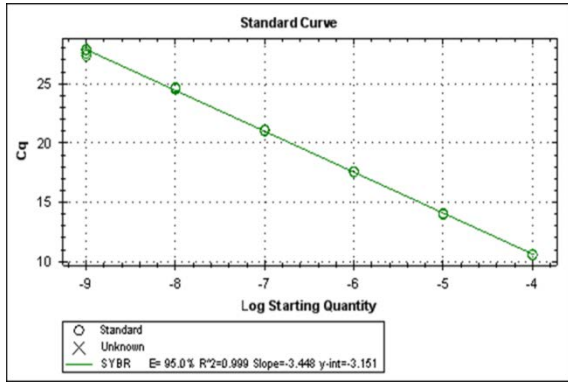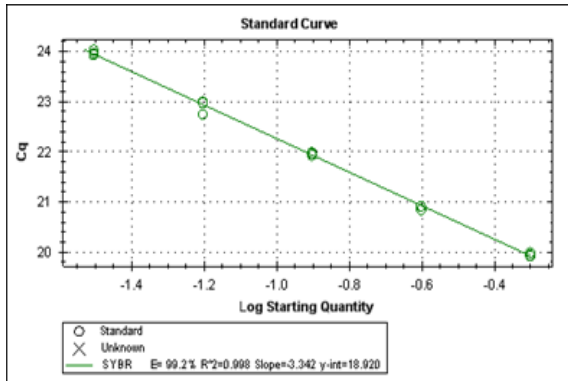

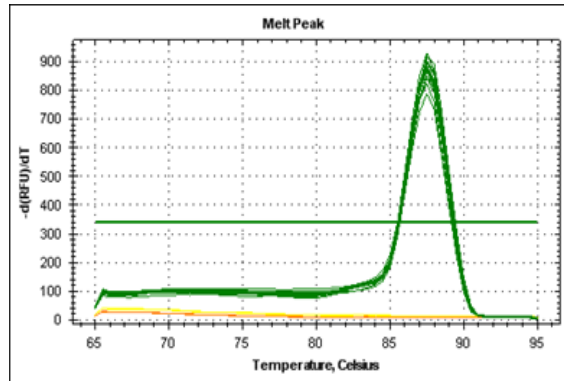calibration curve
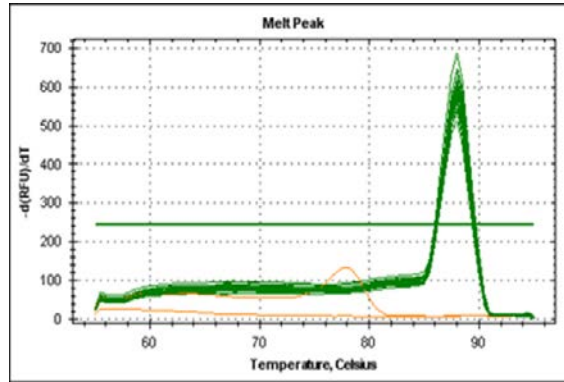
melt curve

amplification plot

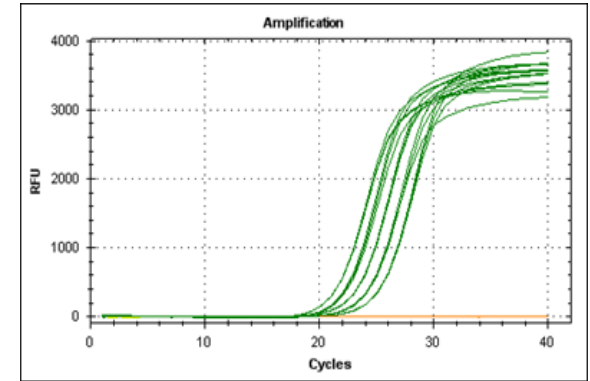## CX3CR1 (1:2 serial dilution of cDNA pool)

calibration curve

melt curve

amplification plot