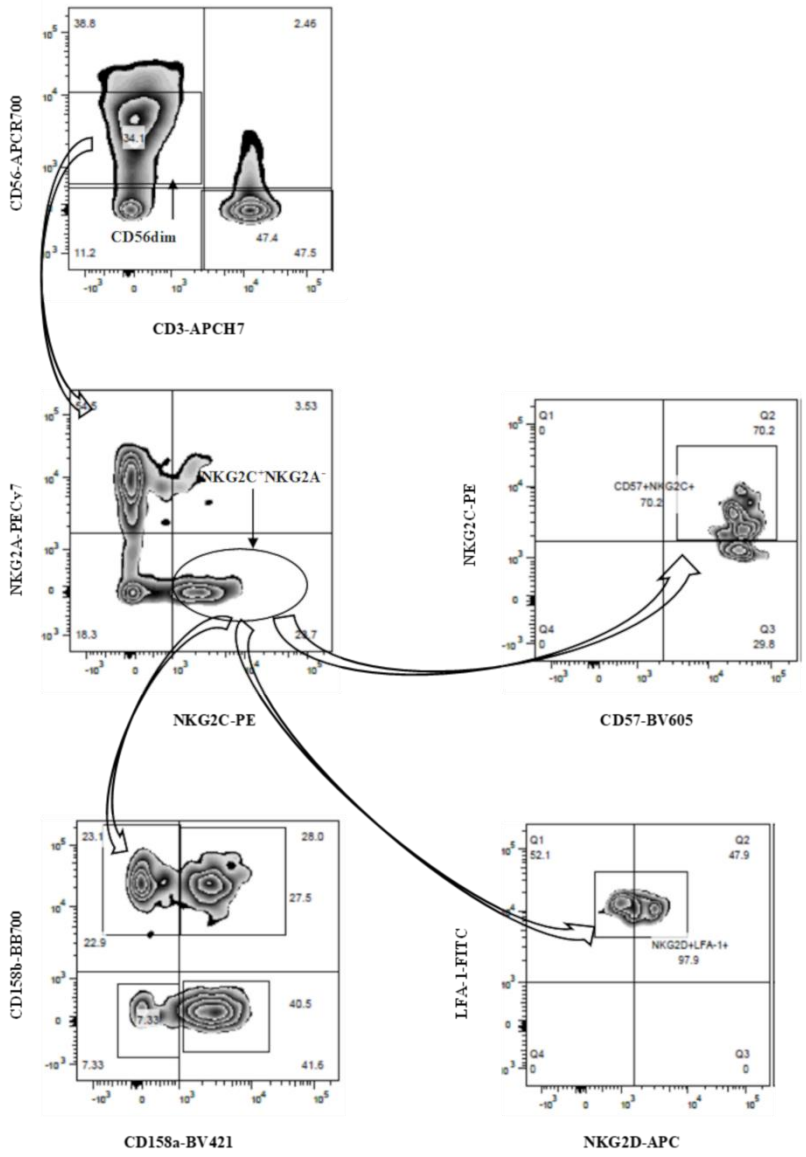
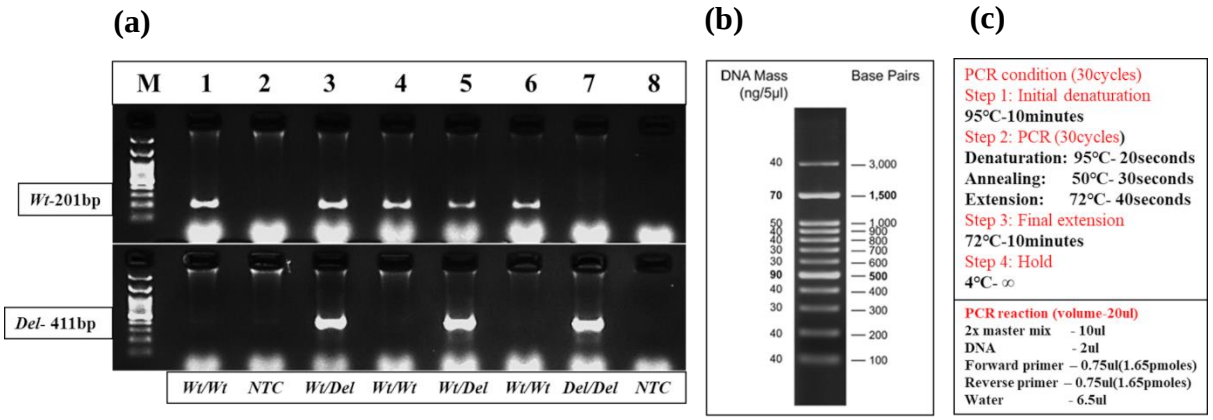
Supplementary figure 1



Supplementary Figure 1 Flow cytometry gating strategy for NK cells: PBMC were stained for NK cell markers CD56, CD57, NKG2C, NKG2A, NKG2D, CD158a, Cd158b and T cell marker CD3. (Top left panel) Shows the gating of NK cell from lymphocytes by selecting $CD56^{+}$ $CD3^{-}$ population. (Middle left panel) shows the gating of $NKG2C^{+}/NKG2A^{-}$ and $NKG2C^{-}/NKG2A^{+}$ population gated from $CD56^{+}$ $CD3^{-}$ NK cells. (Middle right panel) shows the gating of $NKG2C^{+}CD57^{+}$ NK cell population from $NKG2C^{+}/NKG2A^{-}$. (Bottom left panel) shows the CD158a and CD158b NK cell population gated from $NKG2C^{+}/NKG2A^{-}$

. (Bottom right panel) shows the gating of LFA-1 and NKG2D population gated from NKG2C^{+}/NKG2A^{-}.

Supplementary figure 2



Supplementary figure 1 KLRC2 genotyping by conventional PCR: (a) Above image represents the KLRC2 Conventional PCR gel image. DNA samples were isolated from the human samples. Isolated DNA samples were used for the PCR amplification of KLRC2 Wild type(*Wt*) and Deletion (*Del)* gene (Primers details were mentioned in the methodology). For conventional PCR, 2µl of DNA samples were used and 30 cycles were used for amplification for both conditions. Top gel image shows the Wild type results and bottom image shows the Deletion type results. Samples labelled as M- 100bp DNA ladder, Samples 1- Homozygous Wild type positive control, Sample 2- NTC(non template control), Sample 3- Heterozygous both Wild type and Deletion positive control, Sample 4- Homozygous Wild type positive , Sample 5- Heterozygous both Wild type and Deletion positive, Sample 6- Homozygous Wild type positive, Sample 7- Homozygous Deletion positive Sample 8- NTC (Non Template Control). **(b)** 100bp DNA ladder data sheet image. **(c)** PCR condition and PCR reaction preparation.

Supplementary table 1

S.No.	Primers	Sequences
1.	KLRC2 Wt Forward primer	*5' CAGTGTGGATCTTCAATG 3'*
2.	KLRC2 Wt Reverse primer	*5' TTTAGTAATTGTGTGCATCCTA 3'*
3.	KLRC2 Del Forward primer	*5' ACTCGGATTTCTATTTGATGC 3'*
4.	KLRC2 Del Reverse primer	*5'ACAAGTGATGTATAAGAAAAAG 3'*