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## Supporting Information for DOI 10.1002/eji.201545757

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KIR2DL3 and KIR2DL1 show similar impact on licensing of human NK cells

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Supporting Information Figure 1. Identification of peripheral blood NKC and NKC subsets expressing different combinations of activating and inhibitory receptors for HLA-I. (A) Representative flow cytometry gating strategy for identifying CD56<sup>dim</sup>CD3<sup>-</sup> NK cells from single cells within the lymphocyte gate. (B) The HLA-I receptor repertoire of NKC of 29 healthy volunteers was assessed. CD56<sup>dim</sup>,CD3<sup>-</sup> lymphocytes were analysed for the expression of multiple receptors and gated for the presence of KIR2DL3, KIR2DL2/S2, KIR2DS1, KIR2DL1, KIR3DL1 and NKG2A. Tukey box plots showing frequency of NKC subpopulations expressing single and combinations of receptors (*top*). The structure of the repertoire is displayed showing the mean, standard deviation and range for NK subsets expressing single KIRs, NKG2A alone, multiple receptors or were receptor negative (*bottom*).



**Supporting Information Figure 2. Expression of NKG2C and CD57 on NKC. (A)** Representative flow cytometry plots displaying CD57 and NKG2C expression on CD56<sup>dim</sup>CD3<sup>-</sup> NK cells from two donors. RHS panel shows the data for donor 9005 (**B**) CD57<sup>+</sup> and NKG2C<sup>+</sup> NKCs from 19/29 healthy donors. Horizontal black line shows the median value. (**C**) NKC subpopulations expressing single and combinations of receptors. Each circle is from one individual donor. Black circle shows data for donor 9005 in (B) and (C).



**Supporting Information Figure 3. Impact of two licensing receptors on NKC responsiveness.** Functional response (CD107a) of double positive (DP) NKC subsets to K562 stimulation with one licensed and one unlicensed receptor. n.s=not statistically significant. Each circle is from one individual donor with the indicated receptor expression (n=29). Connecting lines indicate populations from the same donor.