

**Table S1.** VLRA and VLRC assembly status in single cells supports the notion that VLRC assembly occurs prior to VLRA

VLRA+ Cells					VLRC+ Cells					
VLRA Locus		VLRC Locus		Number	VLRA Locus		VLRC Locus		Number	
Allele 1	Allele 2	Allele 1	Allele 2		Allele 1	Allele 2	Allele 1	Allele 2		
F	GL	GL	GL	60	GL	GL	F	GL	91	
F	GL	NF	GL	26	NF	GL	F	GL	8	
F	GL	F	GL	16	F	GL	F	GL	2	
F	GL	NF	NF	3	NF	NF	F	GL	1	
F	GL	NF	F	3	GL	GL	NF	F	5	
F	NF	GL	GL	3	GL	GL	F	F	7	
F	F	GL	GL	1	NF	GL	NF	F	1	
F	NF	F	GL	1	NF	GL	F	F	1	
# with biallelic assembly				5/113					14/117	P 0.032 <0.001
# with two functional assemblies				1/5					8/14	
# with other VLR gene assembled				49/113					13/117	
F = Functional assembly; NF = Non-functional assembly; GL = Unassembled germline configuration										