

**Supplementary Figure 1.** Linkage disequilibrium between pairs of *KIR* genes in the population of Curitiba. The colors indicate  $D'$  values following the color scale on the extreme right. The asterisks indicate significant  $p$  values: \*  $0.01 \leq p < 0.05$ ; \*\*  $0.001 \leq p < 0.01$  and \*\*\*  $p < 0.001$ . Strong negative LD was observed for the allelic genes *KIR2DL2/2DL3*, *KIR3DL1/3DS1* and the gene pairs *KIR2DS4/KIR2DS5*, *KIR2DS4/KIR3DS1*, *KIR2DS5/KIR3DL1* and *KIR2DP1/KIR2DL2*. Besides *KIR2DL1/KIR2DP1*, strong positive LD occurred for the pairs *KIR2DS1/KIR2DS5*, *KIR2DS5/KIR2DL5*, *KIR2DL1/KIR2DL2*, *KIR2DL5/KIR2DS1*, *KIR2DL5/KIR3DS1*, *KIR2DL3/KIR2DP1*, *KIR2DL2/KIR2DS2* and *KIR2DS1/KIR3DS1*.

	2DL2	2DL3	2DL5	2DS1	2DS2	2DS3	2DS4	2DS5	3DL1	3DS1	2DP1	
2DL1	1.00	1.00 ***	0.03	0.07	1.00	0.96	0.91	0.15	0.97	1.00	1.00 ***	-1
2DL2		0.75 ***	0.47 ***	0.33 *	0.88 ***	0.75 ***	0.21	0.23	0.16	0.24	1.00 *	-0.8
2DL3			0.21	0.16	0.79 ***	0.63 ***	0.33	0.16	0.09	0.01	0.90 ***	-0.6
2DL5				0.91 ***	0.41 ***	0.78 ***	0.43 *	0.98 ***	0.54 **	0.91 ***	0.30	-0.4
2DS1					0.27 ***	0.29 **	0.55 **	1.00 ***	0.12 **	0.88 ***	0.07	-0.2
2DS2						0.79 ***	0.16	0.10	0.82	1.00	1.00 *	0
2DS3							0.37	0.01	0.26	0.25	0.69	0.2
2DS4								1.00 ***	0.18 ***	1.00 ***	0.17	0.4
2DS5									1.00 ***	0.86 ***	0.07	0.6
3DL1										1.00 ***	0.86	0.8
3DS1											0.49	1