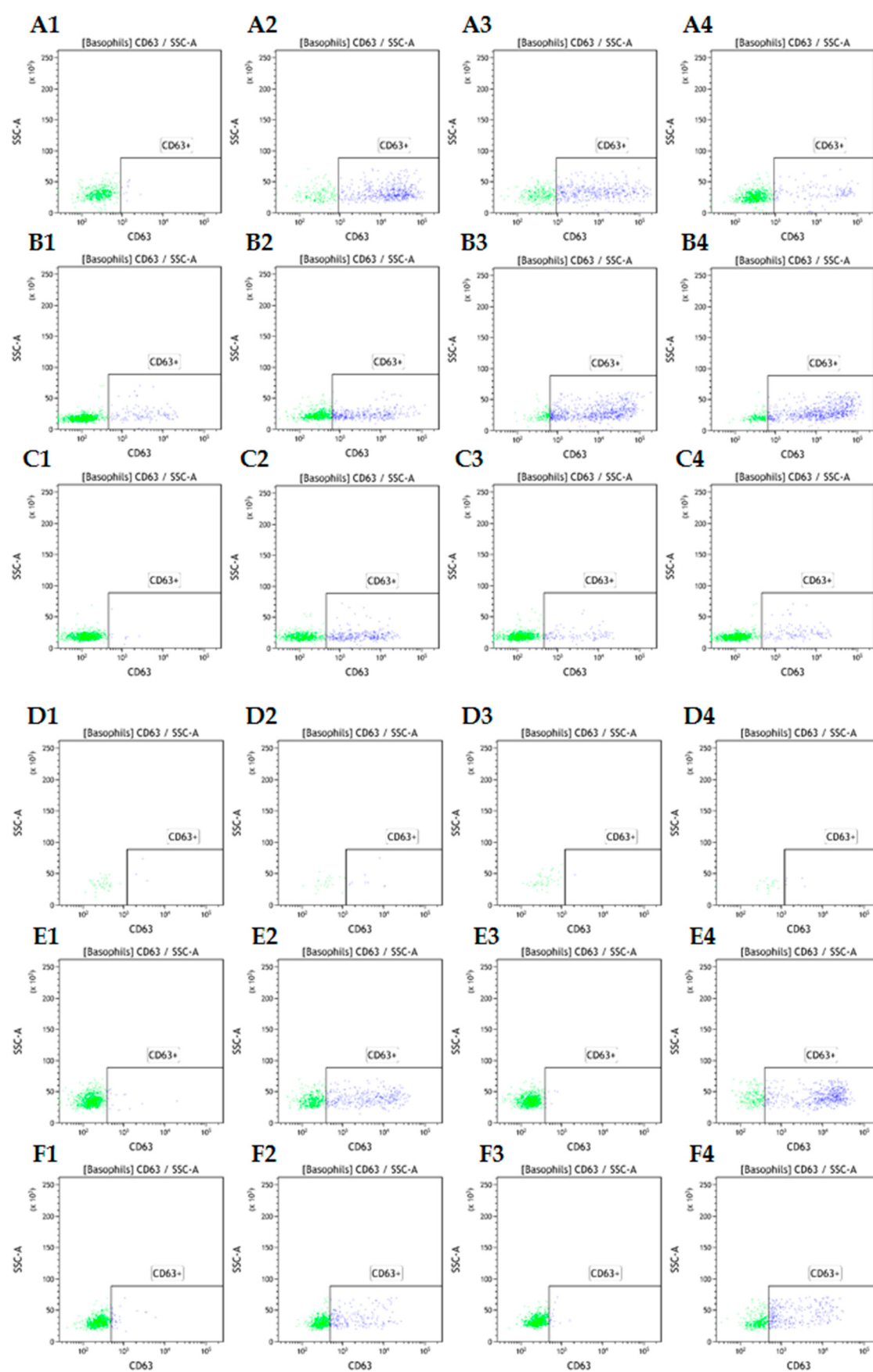


Supplementary Material



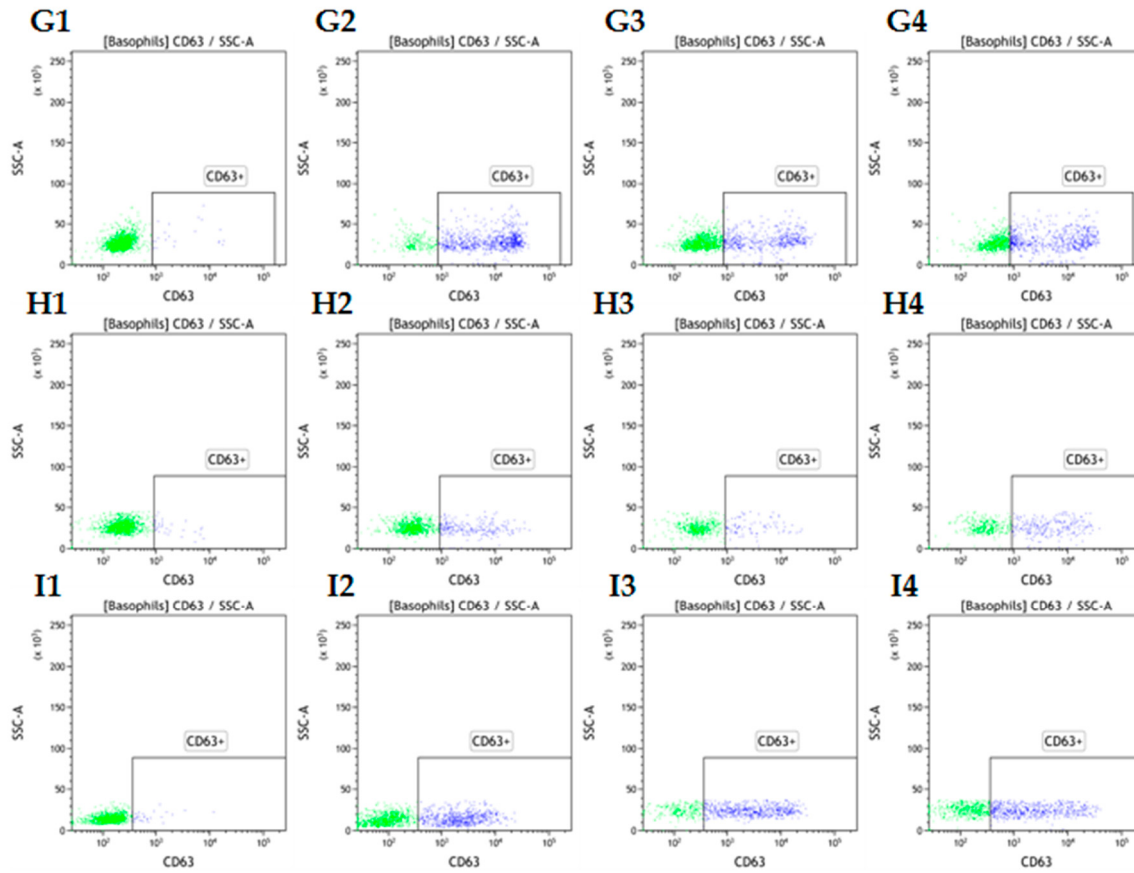


Figure S1. Basophil degranulation plots of individual blood samples stimulated with PBS, fMLP, 10 μ g/mL of rOle e 7 and rPru p 3. BAT A-C corresponded to MONOLE patients, D-F to MONPRU (in the case of patient D, a smaller number of events was acquired), and G-I to BI patients. Plots 1 and 2 showed negative and positive controls, respectively. rOle e 7-stimulated BAT is represented with number 3 and rPru p 3-stimulated BAT with number 4. Percentage of basophil degranulation with both allergens are shown in Table 1.

Table S1. Epitope mapping output data showing relative quantification of each peptide.

Protein	Samples	Peptide	Intensity ¹	Ions ²
Ole e 7	Non-allergic control	ND ³	ND	ND
	BI ⁴ serum pool	KSALALVG NKV	3.49E-02	9/16
	MON_OLE ⁵ serum pool	KLTSCVSYLDDKS	4.27E-03	11/20
		KSALALVG NKV	0.0004385	9/16
	MON_PRU ⁶ serum pool	KSALALVG NKV	4.72E-02	9/16
Pru p 3	Non-allergic control	ND	ND	ND
	BI serum pool	QLSASVPGVNPNNAAALPGK	3.68E-10	19/38
		NVNNLAR	0.01936	4/12
		ISASTNCATVK	4.61E-07	13/20
	MON_OLE serum pool	ISASTNCATVK	4.84E-06	11/20
	MON_PRU serum pool	ISASTNCATVK	1.58E-05	10/20

¹Intensity expressed as arbitrary units from raw data; ²Ions: number of ions matched for each detected peptides; ³ND: not detectable; BI⁴, patients sensitised to Ole e 7 and Pru p 3; MON_OLE⁵, patients monosensitised to Ole e 7. MON_PRU⁶, patients monosensitised to Pru p 3.