

**Additional file 5: Phenotype of blood antigen-presenting cells from asthmatic children according to their viral status at exacerbation.** The upper part reported data collected during exacerbation from infected (V+) or not infected (V-) patients during the exacerbation, whereas the lower part showed the data obtained at steady state. The phenotype was analyzed in conventional and plasmacytoid DC (cDC and pDC, respectively) as well as in monocytes during the exacerbation and at steady state, respectively. Results are expressed as median of fluorescence intensity (MFI) [interquartile range (IQR)]. ND: not detectable, NE: Not evaluated.

\*: indicates a statistical significance between the 2 groups ( $p < 0.05$ ) . <sup>1,2,3</sup> indicate an absolute standardized difference greater than 0.2, 0.5 and 0.8 respectively

Exacerbation		cDC		pDC		Monocyte	
		V-	V+	V-	V+	V-	V+
CD86	<b>Median</b>	7	<b>10 *<sup>1</sup></b>	5	<b>7<sup>1</sup></b>	6	<b>8 *<sup>2</sup></b>
	<i>[IQR]</i>	[5-11]	[6-14]	[3-13]	[4-21]	[5-7]	[6-12]
HLA-DR	<b>Median</b>	23	<b>38<sup>1</sup></b>	20	<b>31<sup>1</sup></b>	13	<b>16<sup>1</sup></b>
	<i>[IQR]</i>	[18-63]	[20-81]	[12-38]	[13-81]	[9-38]	[11-42]
TLR3	<b>Median</b>	29	<b>33</b>	38	<b>37</b>	75	<b>82</b>
	<i>[IQR]</i>	[23-54]	[18-64]	[21-54]	[22-62]	[41-134]	[53-144]
RIGI	<b>Median</b>	50	<b>64<sup>1</sup></b>	51	<b>60</b>	102	<b>113</b>
	<i>[IQR]</i>	[20-78]	[35-100]	[20-99]	[38-71]	[48-319]	[63-165]
MDA5	<b>Median</b>	51	<b>68</b>	32	<b>38</b>	81	<b>92</b>
	<i>[IQR]</i>	[32-103]	[33-92]	[17-61]	[19-71]	[43-143]	[58-171]

  

Steady State		cDC		pDC		Monocyte	
		V-	V+	V-	V+	V-	V+
CD86	<b>Median</b>	6	<b>10<sup>1</sup></b>	6	<b>7 *<sup>1</sup></b>	6	<b>9<sup>2</sup></b>
	<i>[IQR]</i>	[5-12]	[6-14]	[4-12]	[5-24]	[5-10]	[6-13]
HLA-DR	<b>Median</b>	44	<b>39</b>	63	<b>25<sup>1</sup></b>	25	<b>31</b>
	<i>[IQR]</i>	[26-150]	[30-73]	[19-125]	[12-74]	[16-74]	[18-54]
TLR3	<b>Median</b>	42	<b>41</b>	44	<b>41</b>	72	<b>90<sup>1</sup></b>
	<i>[IQR]</i>	[24-61]	[19-62]	[28-63]	[29-60]	[53-119]	[72-135]
RIGI	<b>Median</b>	53	<b>63</b>	39	<b>44</b>	74	<b>96<sup>1</sup></b>
	<i>[IQR]</i>	[26-70]	[32-85]	[23-57]	[27-70]	[59-198]	[73-156]
MDA5	<b>Median</b>	49	<b>53</b>	31	<b>38</b>	138	<b>79<sup>1</sup></b>
	<i>[IQR]</i>	[18-91]	[26-86]	[17-50]	[17-72]	[55-182]	[52-151]