

**Supplementary data S1. T-test results from comparison within patients groups.** Patients AAE levels are compared within the different cohorts by t-test and p value were reported. In the right side of the table were reported results for AAE IgG, whereas in the left side the ones for AAE IgA. In bold are indicated  $p < 0.05$ .

igA \ igG	JIA	CD	CrD	HPF	PFAPA
JIA		<b>0.006</b>	0.879	0.461	<b>9.1 exp-14</b>
CD	0.294		<b>0.003</b>	<b>0.025</b>	<b>2.1 exp-15</b>
CrD	0.724	0.332		0.520	<b>2.5 exp-17</b>
HPF	0.481	0.176	0.341		<b>2.4 exp-6</b>
PFAPA	<b>4.1 exp-5</b>	<b>2.0 exp-4</b>	<b>9.2 exp-10</b>	<b>0.004</b>	