

SUPPLEMENTARY MATERIAL

Cytokine	POLYIC				HKCA				R848				LPS			
	Non-progression		Progression		Non-progression		Progression		Non-progression		Progression		Non-progression		Progression	
	p	Adj	p	Adj	p	Adj	p	Adj	p	Adj	p	Adj	p	Adj	p	Adj
IFNa	0.750	1	0.4180	1.0	1.00	1	0.8120	1.0	0.25	1	0.0156*	0.14	0.75	1	0.688	1.0
IFNg	0.750	1	0.8130	1.0	0.50	1	0.8120	1.0	1.00	1	0.5780	1.0	0.75	1	0.688	1.0
IL10	1.000	1	0.7890	1.0	0.25	1	0.0625	0.56	1.00	1	0.4690	1.0	1.00	1	0.156	1.0
IL12	1.000	1	0.5290	1.0	1.00	1	1.0000	1.0	0.75	1	0.2970	1.0	1.00	1	0.469	1.0
IL17A	0.371	1	0.2970	1.0	1.00	1	0.4380	1.0	0.50	1	0.3750	1.0	0.25	1	0.578	1.0
IL1b	0.500	1	0.4690	1.0	0.25	1	0.3120	1.0	0.50	1	0.5780	1.0	0.50	1	0.469	1.0
IL6	0.500	1	0.5780	1.0	0.75	1	0.1250	1.0	0.50	1	0.8130	1.0	0.50	1	0.688	1.0
IL8	1.000	1	0.0781	0.7	0.75	1	0.8120	1.0	1.00	1	0.5780	1.0	0.50	1	0.047	0.42
TNFa	0.500	1	0.5780	1.0	0.25	1	0.8120	1.0	0.50	1	0.4690	1.0	1.00	1	1.00	1.0

Table S1: P-values of Non-Parametric paired Wilcoxon test for the first measurement compared to the second for non-progression (0) and progression(1) groups. p=unadjusted p-value. Adj= Adjustment for family-wise error with Bonferroni-Holms method. *: <0.05.

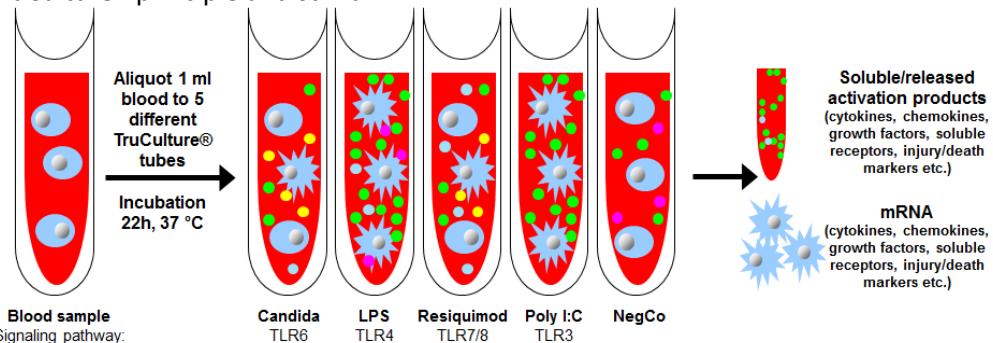
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P-VALUES OF DIFFERENCE(DELTA) BETWEEN PROGRESSION VS NON-PROGRESSION									
Cytokine	POLYIC		HKCA		R848		LPS		
	p	Adj	p	Adj	p	Adj	p-value	Adj	
IFNa	0.275	1.0	0.989	1.0	0.00192**	0.01728*	0.409	1.0	
IFNg	0.486	1.0	0.951	1.0	0.869	1.0	0.658	1.0	
IL10	0.638	1.0	0.00343**	0.03087*	0.490	1.0	0.359	1.0	
IL12	0.563	1.0	0.926	1.0	0.471	1.0	0.814	1.0	
IL17A	0.582	1.0	0.271	1.0	0.224	1.0	0.164	1.0	
IL1b	0.178	1.0	0.15	1.0	0.157	1.0	0.359	1.0	
IL6	0.118	0.9440	0.158	1.0	0.212	1.0	0.294	1.0	
IL8	0.0325*	0.2925	0.655	1.0	0.601	1.0	0.0798	0.7182	
TNFa	0.203	1.0	0.391	1.0	0.143	1.0	0.885	1.0	

Table S2: Showing P-values (unadjusted and adjusted) for all stimuli and cytokine response, comparing the change (delta) from the first to the second measurement between progression and non-progression groups. P-values obtained by unpaired Welch T-test. Adj= adjusted for family-wise error with the Bonferroni-Holms method. *: <0.05, **: <0.01

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Figure S1. TruCulture® principle and stimuli.



#	TruCulture® tube	Stimulation type	Immunological stimulation / response
I	Candida	Heat killed Candida Albicans	Whole microbe providing a complex immunologic stimulation including stimulation through TLR6.
II	LPS	LPS-EB high	Bacterial endotoxin (lipopolysaccharide from E.coli, O111:B4) that elicits a strong innate immune response through TLR4, assessing the antibacterial immune response.
III	Resiquimod	Resiquimod R848	Synthetic agonist of TLR7 and TLR8 (both responding to single-stranded RNA).
IV	Poly I:C	Polyinosinic:polycytidylic acid (Poly I:C)	Analogue of double-stranded RNA, mimics the presence of viral infection. Activator of TLR3.
V	NegCo	Negative control	TruCulture® media without stimulants, assesses <i>in vivo</i> activation which may be increased in some patients.