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Series GSE135223

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Status	Public on Jun 01, 2020
Title	Human macrophage responses to viral-like particles from non-IBD or IBD colonic resections
Organism	Homo sapiens
Experiment type	Expression profiling by high throughput sequencing
Summary	Peripheral blood-derived macrophages were stimulated with viral-like particles isolated from colonic resections from patients with Crohn's disease (CD), ulcerative colitis (UC), or non-IBD controls diagnoses. RNAseq was performed to unbiasedly assess the transcriptional responses to these stimuli and revealed highly divergent macrophage transcriptional programs in response to non-IBD compared to IBD VLP.
Overall design	Peripheral blood mononuclear cells from the blood of three healthy human donors were pooled and differentiated into macrophages with M-CSF over the course of seven days. Mature macrophages were treated with viral-like particle (VLP) isolates from colon resections of patients with Crohn's disease (5 individual patient samples), ulcerative colitis (5 individual patient samples), non-IBD diagnoses (5 individual patient samples), or mock treated (3 replicates of mock treatment). RNA was isolated and RNA-seq was carried out for transcriptional analysis.
Contributor(s)	Adiliaghdam F , Digumarthi S , Wong LP , Sadreyev R , Jeffrey KL
Citation missing	<i>Has this study been published? Please login to update or notify GEO.</i>
Submission date	Aug 01, 2019
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Platforms (1) [GPL24676](#) Illumina NovaSeq 6000 (Homo sapiens)

Samples (18) [GSM3995429](#) Crohn's Disease rep 1

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