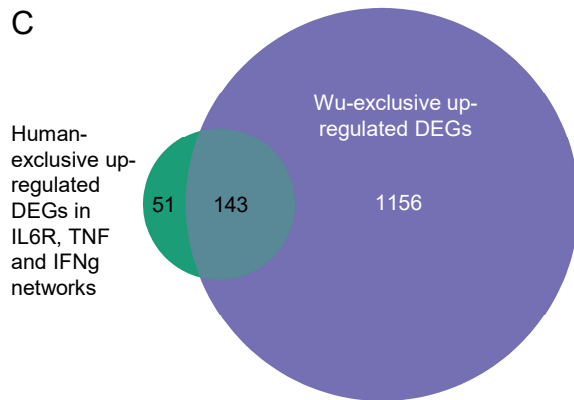


B

Upstream Regulator	Molecule Type	Activation z-score	p-value of overlap
IL4	cytokine	7.563	0.0441
IL5	cytokine	5.885	1.49E-08
CD40LG	cytokine	4.145	0.0157
TNF	cytokine	4.022	0.0252
IL15	cytokine	3.671	7.43E-05
IL1B	cytokine	3.483	0.0186
WNT1	cytokine	2.942	0.0415
IL2	cytokine	2.759	4.12E-05
IL3	cytokine	2.557	3.4E-09
EPO	cytokine	2.394	3.06E-06
OSM	cytokine	2.26	0.0235



D

Diseases or Functions Annotation	p-value	Activation z-score
Cell survival	1.66E-23	5.32
Organismal death	6.18E-22	-7.348