

Table S1. List of genes resulted from single patient pathway analysis.

Gene	pt#1	pt#2	pt#3	pt#6	pt#7
ADAR2	Green				
AGO4		Pink			
AKT1		Pink			
ARRB2		Pink			
B4GALT1		Pink			
BIRC2			Blue		
BIRC3			Blue		Grey
BST2	Green			Red	
CEBPA		Pink			
CEBPB		Pink			
CREBBP		Pink			
CSF3R		Pink			
DDX58	Green				
E2F3		Pink			
EIF2AK2	Green		Blue		Grey
ERF		Pink			
ETS2		Pink			
FCGR1B	Green				
FURIN		Pink			
GBP1	Green				
GBP2	Green				
GBP3	Green				
GBP5	Green				
GBP6	Green				
GZMB		Pink			
H2AC6		Pink			
H2BC21		Pink			
H2BC4		Pink			
H3-3A		Pink			
H3F3A		Pink			
HDAC5		Pink			
HERC5	Green		Blue		
HLA-G				Red	
IFI27	Green			Red	
IFI35	Green			Red	
IFI6	Green			Red	
IFIT1	Green		Blue	Red	
IFIT2	Green			Red	
IFIT3	Green			Red	
IFITM1	Green			Red	
IFITM2				Red	
IFITM3				Red	
IFNGR1	Green				
IL6R		Pink	Blue		
IL6ST			Blue		
IRF7	Green			Red	
ISG15	Green		Blue	Red	Grey
ISG20	Green			Red	Grey
JAK2	Green		Blue		
LEF1		Pink			
MAML3		Pink			
MAPK1		Pink			
MAPK3		Pink			
MDM2		Pink			
MT2A	Green				

MX1	Green		Blue	Red	
MX2	Green				
MYC		Pink			
NCSTN		Pink			
NEURL1		Pink			
NOTCH1		Pink			
NOTCH2		Pink			
NUMB		Pink			
OAS1	Green			Red	
OAS2	Green				
OAS3	Green				
OASL	Green				
PLXND1		Pink			
PML	Green				
PSEN1		Pink			
PSMC6			Blue		
RARA		Pink			
RBPJ		Pink			
RBX1		Pink			
RPL21					Grey
RPL32					Grey
RPL37					Grey
RPL41					Grey
RPL7					Grey
RPS23					Grey
RPS25					Grey
RPS27A		Pink			Grey
RSAD2	Green				
RXRA		Pink			
SEL1L		Pink			
SOCS1	Green			Red	
SOCS3			Blue	Red	
SP1		Pink			
SP100	Green				
SPI1		Pink			
ST3GAL4		Pink			
STAT1	Green	Pink		Red	
STAT2	Green				
STAT2				Red	
STAT3		Pink			
TAL1		Pink			
TBL1X		Pink			
TFDP		Pink			
TFDP1		Pink			
TLE3		Pink			
TNFAIP3	Green				
TNFRSF13C					Grey
TNFRSF18			Blue		
TNFRSF1A			Blue		
TNFRSF4			Blue		
TNFRSF9			Blue		
TNFSF13B			Blue		Grey
TNFSF14			Blue		
TRIM10	Green				
TRIM22	Green				
TRIM25	Green				
TRIM38	Green				
TRIM5	Green				
TYK2			Blue		

<i>UBA52</i>					
<i>UBB</i>					
<i>UBE2L6</i>					
<i>USP18</i>					
<i>WWP2</i>					
<i>XAF1</i>					

Genes shared by two or more subjects are highlighted. Background colors display genes expressed in different patients: patient #1 in green, patient #2 in pink, patient #3 in light blue, patient #6 in red, and patient #7 in grey.