

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: mRNA levels of genes associated with the pan JAK-STAT pathway in SAECs.

File Name: Supplementary Data 2

Description: List of all genes with normalized read counts in each replicate at Control and IFN α treated SAECs, \log_2 (fold change), p-value and adjusted p-value as well as upregulated gene list and GSEA analysis.

File Name: Supplementary Data 3

Description: List of all genes with normalized read counts in each replicate at Control and IFN β treated SAECs, \log_2 (fold change), p-value and adjusted p-value as well as upregulated gene list and GSEA analysis.

File Name: Supplementary Data 4

Description: List of all genes with normalized read counts in each replicate at Control and IFN γ treated SAECs, \log_2 (fold change), p-value and adjusted p-value as well as upregulated gene list and GSEA analysis.

File Name: Supplementary Data 5

Description: List of all genes with normalized read counts in each replicate at Control and IFN λ 3 treated SAECs, \log_2 (fold change), p-value and adjusted p-value as well as upregulated gene list and GSEA analysis.

File Name: Supplementary Data 6

Description: List of all genes with normalized read counts in each replicate at Control and IL6 treated SAECs, \log_2 (fold change), p-value and adjusted p-value as well as upregulated gene list and GSEA analysis.

File Name: Supplementary Data 7

Description: List of all genes with normalized read counts in each replicate at Control and IL7 treated SAECs, \log_2 (fold change), p-value and adjusted p-value as well as upregulated gene list and GSEA analysis.

File Name: Supplementary Data 8

Description: List of all genes with normalized read counts in each replicate at Control and GH treated SAECs, \log_2 (fold change), p-value and adjusted p-value as well as upregulated gene list and GSEA analysis.

File Name: Supplementary Data 9

Description: List of genes induced by IFN α , β , γ and λ . Expression prior to and after interferon stimulation and upon treatment with ruxolitinib and baricitinib is shown.

File Name: Supplementary Data 10

Description: List of all genes with normalized read counts in each replicate at IFN β and baricitinib with IFN β , treated SAECs, \log_2 (fold change), p-value and adjusted p-value as well as upregulated gene list and GSEA analysis.

File Name: Supplementary Data 11

Description: List of all genes with normalized read counts in each replicate at IFN β and ruxolitinib with IFN β , treated SAECs, \log_2 (fold change), p-value and adjusted p-value as well as upregulated gene list and GSEA analysis.