

Description of Additional Supplementary Files

Supplementary Data 1

Description: Baseline characteristics of training cohort.

Supplementary Data 2

Description: Baseline characteristics of validation cohort.

Supplementary Data 3

Description: Summary statistics for training and validation cohorts.

Supplementary Data 4

Description: NLPHL specific signature matrix.

Supplementary Data 5

Description: CIBERSORT results for tonsil.

Supplementary Data 6

Description: CIBERSORT results for whole blood.

Supplementary Data 7

Description: CIBERSORT results for progressive transformation of germinal centers (PTGC).

Supplementary Data 8

Description: TPM gene expression matrix for training cohort.

Supplementary Data 9

Description: TPM gene expression matrix for validation cohort.

Supplementary Data 10

Description: Genotyping results after filtering obtained from sequencing DNA isolated from tissue or plasma.

Supplementary Data 11

Description: Cell state defining genes for B-cells.

Supplementary Data 12

Description: Cell state defining genes for Dendritic cells.

Supplementary Data 13

Description: Cell state defining genes for Endothelial cells.

Supplementary Data 14

Description: Cell state defining genes for fibroblasts.

Supplementary Data 15.

Description: Cell state defining genes for LP cells.

Supplementary Data 16

Description: Cell state defining genes for Mast cells.

Supplementary Data 17

Description: Cell state defining genes for Macrophages.

Supplementary Data 18

Description: Cell state defining genes for Neutrophils.

Supplementary Data 19

Description: Cell state defining genes for Plasma cells.

Supplementary Data 20

Description: Cell state defining genes for T-cells CD4.

Supplementary Data 21

Description: Cell state defining genes for T-cells CD8.

Supplementary Data 22

Description: Cell state defining genes for Tfh.

Supplementary Data 23

Description: Cell state defining genes for Tregs.

Supplementary Data 24

Description: Immunostain results for B2M, HLA-I, and HLA-II.

Supplementary Data 25

Description: Q-values for EcoTyper Training Cohort.

Supplementary Data 26

Description: Q-values for EcoTyper Validation Cohort.