

Additional information and supplementary files

- S1 Ontologies that make up the lymphomyeloid cluster.** List of ontologies included in the lymphomyeloid cluster, used to devise the sensitivity and specificity indicators in this manuscript.
- S2 Performance statistics of models trained in this study.** A table containing summary statistics of the performance of the models trained on the ontologies of the lymphomyeloid cluster and of non-lymphomyeloid ontologies is provided as supplementary data; the full list of results can be also be downloaded from the GitHub repository.
- S3 Performance map of model configurations based on other measures of predictive performance** While it based on accuracy throughout the paper, the sensitivity and specificity indicators can also be used to display the efficiency of each model configuration based on other metrics: F-score, precision and recall. The results are qualitatively identical.
- S4 Interactive plot of the performance map.** Code to run a Bokeh interactive plot of the statistical descriptor of accuracy for all ontologies, lymphomyeloid ontologies and non-lymphomyeloid ontologies. This can be run using `bokeh serve --show S4_performance_plot.py`.
- S5** An interactive plot of the accuracy of the best model configuration (configuration PF:b using P sorting and the full feature set, FS11) projected on the an ontology embedding.

The authors declare that there are no competing interests regarding the publication of this research article.