## **SUPPLEMENTARY APPENDIX**

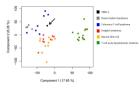
## Peripheral T-cell lymphoma cell line T8ML-1 highlights conspicuous targeting of PVRL2 by t(14;19)(q11.2;q13.3)

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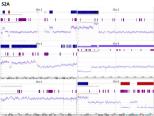
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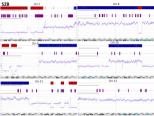
Correspondence: rml@dsmz.de doi:10.3324/haematol.2017.168203

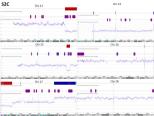
S1A





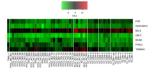


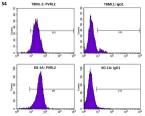






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## **Supplementary Figure Legends**

Supplementary Figure S1: Gene expression profiling (GEP) of T-cell lymphoma cell lines. Principal component analysis was performed on GEP data. Note isolation of T8ML-1. Names of cell lines are available on request. B: Cluster diagram of T8ML-1 and PTCL patients: GEP clustering shows that T8ML-1 consorts with PTCL patient profiles. Primary lymphoma and normal T cells expression data were obtained from the public GEO dataset GSE3668 (9). After RMA-background correction and quantile normalization of the spot intensities via R/Bioconductor limma using and affy packages (http://www.bioconductor.org), hierarchical clustering was calculated on basis of Ward's method.

**Supplementary Figure S2: Copy number alterations and zygosity in T8ML-1.** Figure summarizes genomic array data for chromosomes 1-6 (A), 7-12 (B), 13-18 (C), and 19-22, X and Y (D). Note gross changes in copy number associated with cytogenetic breakpoints (**Fig. 1A**). For technical details see legend to Fig. 1.

**Supplementary Figure S3: PTCL patient gene expression at 19q13.3**: Shows GEP incorporating public GEP data (GEO-GSE6338) from ref. 9. Note moderate upregulation of *PVRL2* in PTCL patient PTCL-026 only and in two ALCL patients, while *BCL3* is usually downregulated in PTCL patients, when compared to primary T-cells. For data source see Supplementary Figure 1.

**Supplementary Figure S4: Surface expression of PVRL2 in T8ML-1 cells.** Flow cytometric plots for PVRL2 and (reference) IgG1 on T8ML-1 and (positive) control KG-1A cells. Cell surface expression of PVRL2 closely matches that of positive control cells. Cells were analyzed by flow cytometry on a FACSCalibur (BD Biosciences, Heidelberg/Germany) using CellQuest Pro software.

**Supplementary Figure S5: Protein interactogram.** Shows STRING analysis results of interactions predicted among top 500 expressed protein coding genes in T8ML-1 versus congener T-cell lymphoma cell lines. PVRL2 (shown red) is connected to CD96, CTNNB1, GOPC based on co-citation evidence. Functional associations remain to be determined.