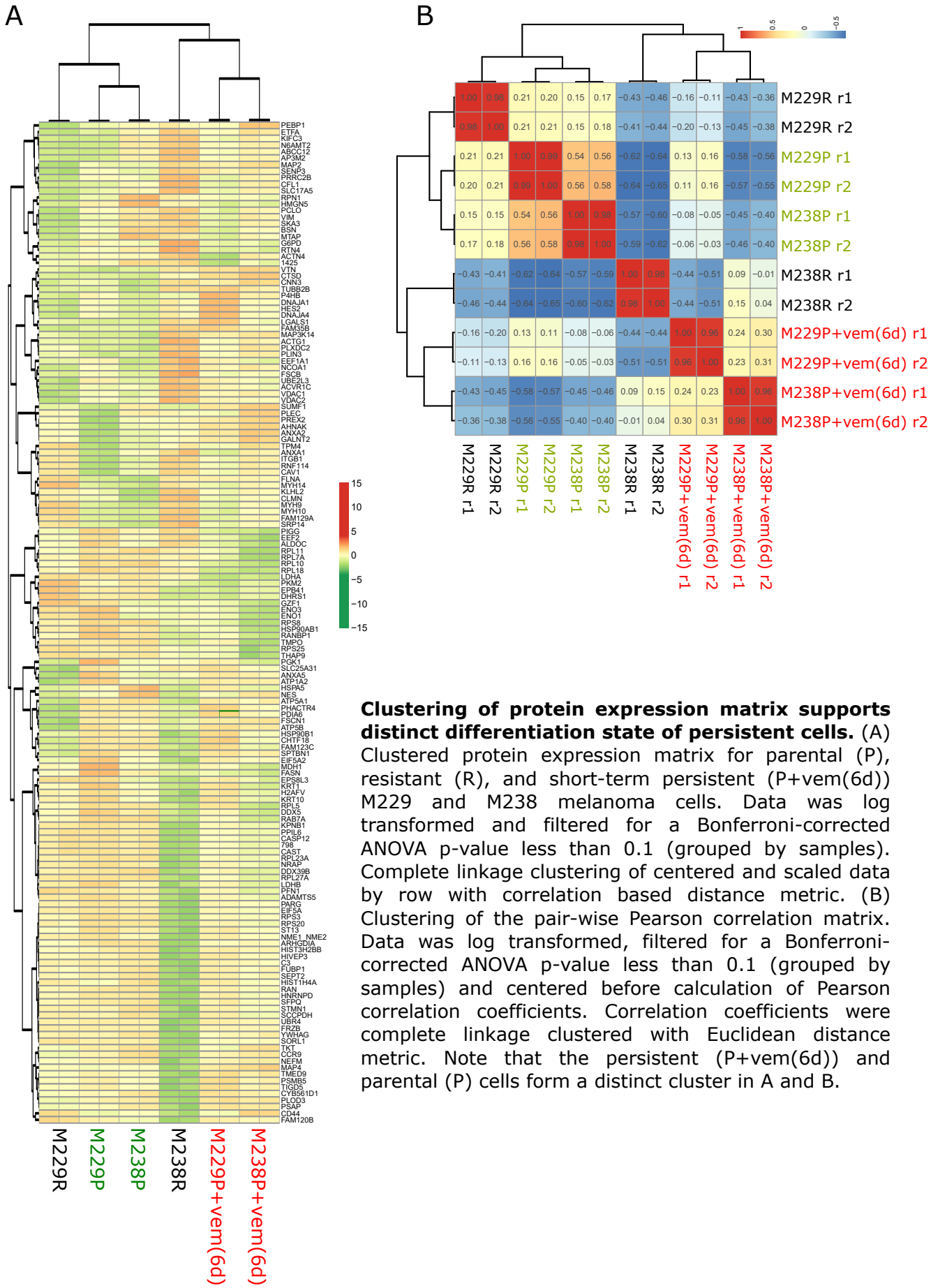
Titz et al. Supplementary Figure S7



Clustering of protein expression matrix supports distinct differentiation state of persistent cells. (A) Clustered protein expression matrix for parental (P), resistant (R), and short-term persistent (P+vem(6d)) M229 and M238 melanoma cells. Data was log transformed and filtered for a Bonferroni-corrected ANOVA p-value less than 0.1 (grouped by samples). Complete linkage clustering of centered and scaled data by row with correlation based distance metric. (B) Clustering of the pair-wise Pearson correlation matrix. Data was log transformed, filtered for a Bonferroni-corrected ANOVA p-value less than 0.1 (grouped by samples) and centered before calculation of Pearson correlation coefficients. Correlation coefficients were complete linkage clustered with Euclidean distance metric. Note that the persistent (P+vem(6d)) and parental (P) cells form a distinct cluster in A and B.