

**S4 Fig. Association between IgVH mutation status and BAGS subtype.** For each subtype the proportion of samples with mutated and unmutated IgVH are shown. **(a)** All subtypes, **(b)** All subtypes divided into early, naïve and late subtypes. The Munich, Duke, Padova, and IDFCI cohorts were used (n = 337). Unclassified samples were not included. Tests for significantly different distributions between groups were calculated using Fisher's exact test (**(a)** P = < .001 and **(b)**: P = < .001, early vs. late; P = < .001, naïve vs. late; P = .01).

