

(In excel sheet)

Supplemental Table 1: Overview of cleavage site features and correlating epitope including flanking regions.

Tests:	Parameters:	P-value:
Wilcox Rank Sum Test	Overall mutations affecting proteasomal cleavage by resection margin	0.043
Fisher's Exact Test for Count Data	Overall mutations affecting proteasomal cleavage by CD56 expression	0.027
Kruskal-Wallis Rank Sum test	Affected ERBB2 (epitopes) by tumor staging	0.046
Wilcox Rank Sum Test	Affected TP53 epitopes by tumor grading	0.048
Spearman's Rank Correlation Rho	TP53 mutations affecting proteasomal cleavage by tumor grading	0.045

Supplemental Table 2: Statistically significant correlations between deficient proteasomal processing and well characterized histological parameters. The results are obtained from the same investigation, displayed in table 2.