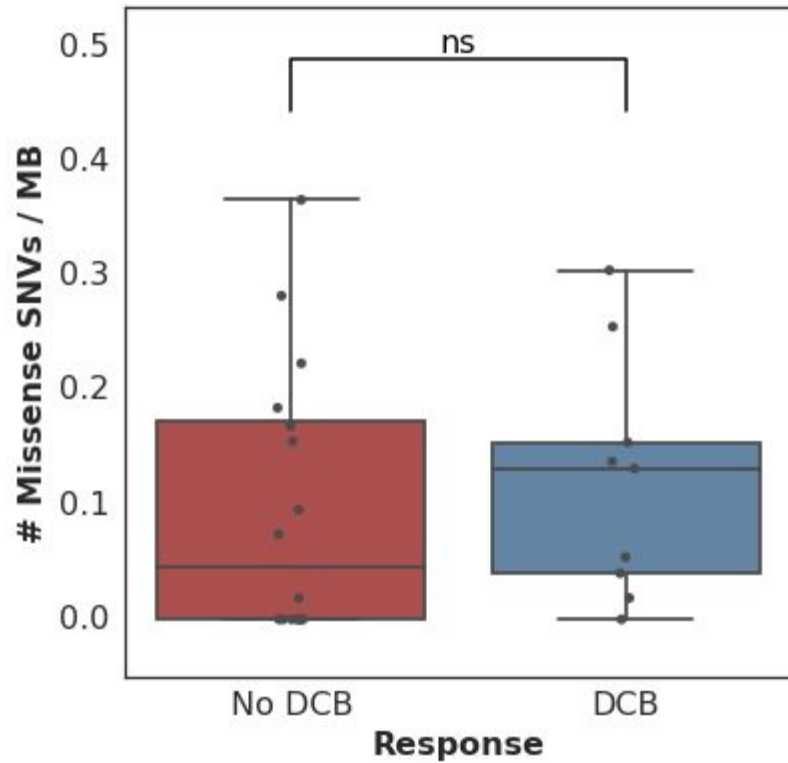


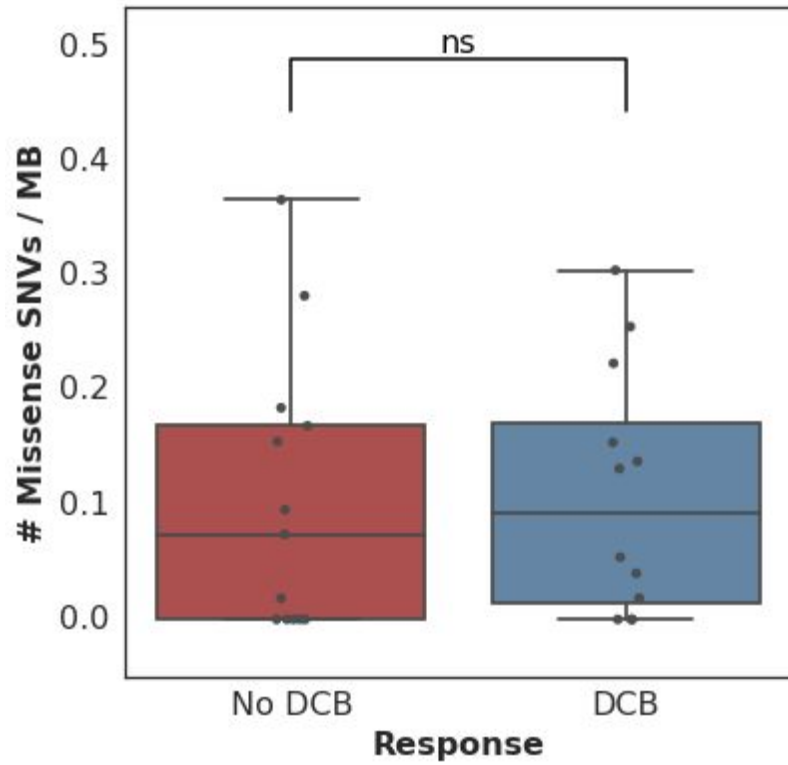
## S6 Fig

### S6A Fig



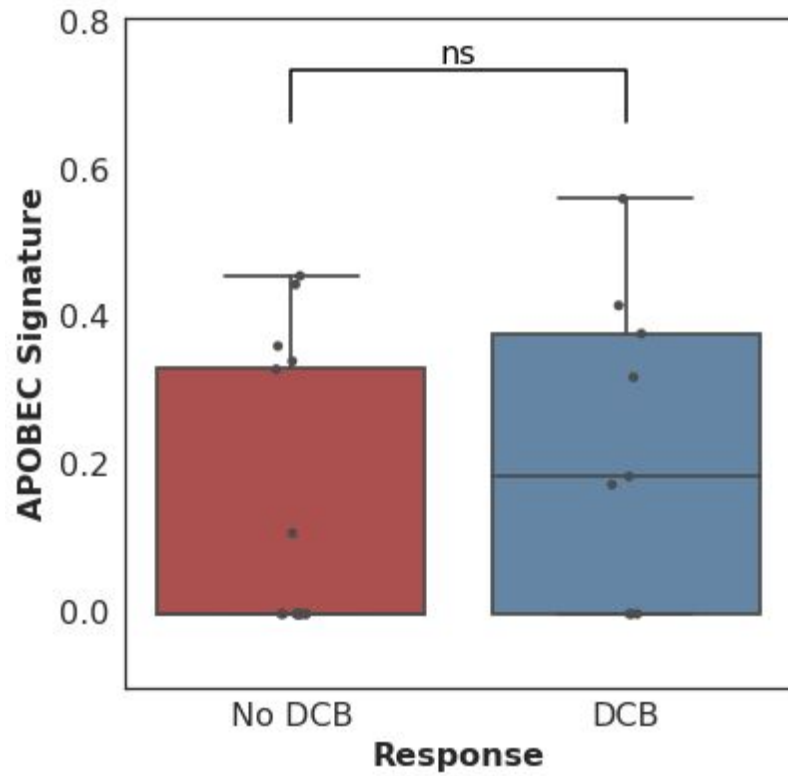
No significant association between the number of missense SNV found on MSK-IMPACT and DCB (DCB [0.13 \(range 0.00-0.31\)](#) versus no DCB [0.046 \(range 0.00-0.37\)](#) ([n=25, Mann-Whitney p=0.42](#)).

S6B Fig



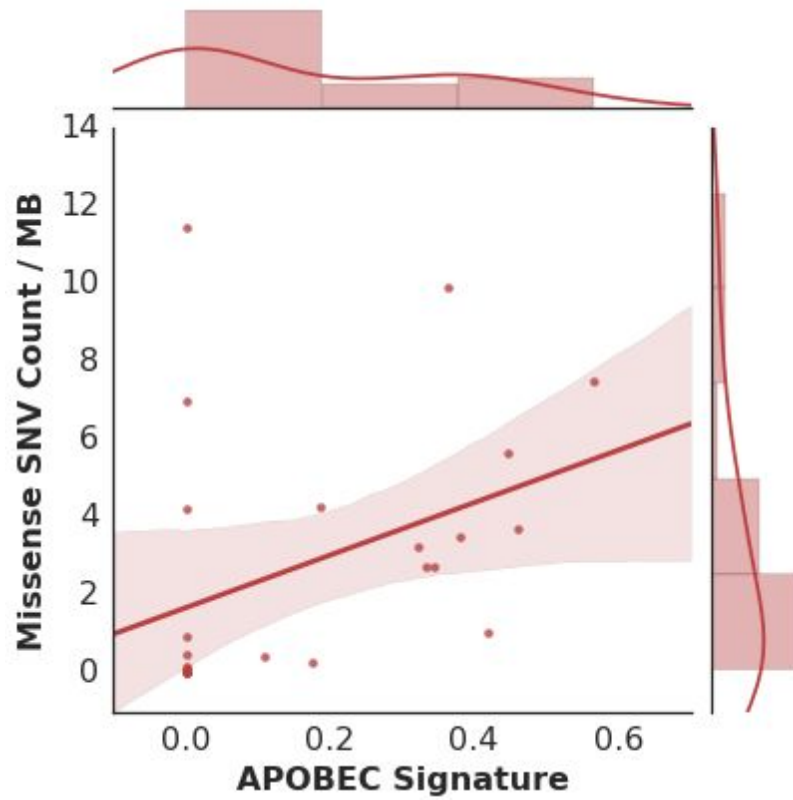
No significant association between the number of missense SNV found on MSK-IMPACT and overall survival (survival greater than 12 months [0.093 \(range 0.00-0.31\)](#), versus less than 12 months [0.074 \(range 0.00-0.37\)](#) ( $n=25$ , Mann-Whitney  $p=0.78$ ).

S6C Fig



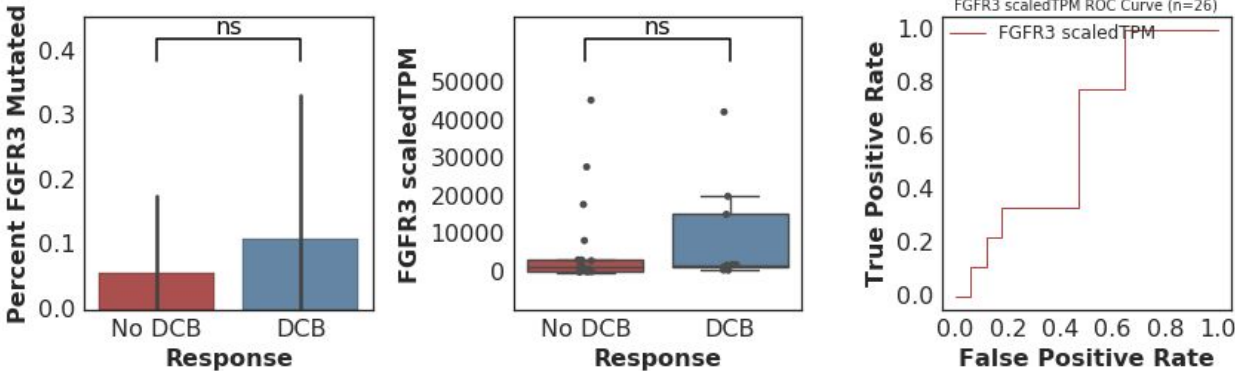
There was no significant difference in APOBEC signature found in tumors from patients with PFS DCB ([0.19 \(range 0.00-0.56\)](#)) as compared to no DCB ([0.00 \(range 0.00-0.46\)](#)) ([n=25, Mann-Whitney p=0.23](#)).

S6D Fig



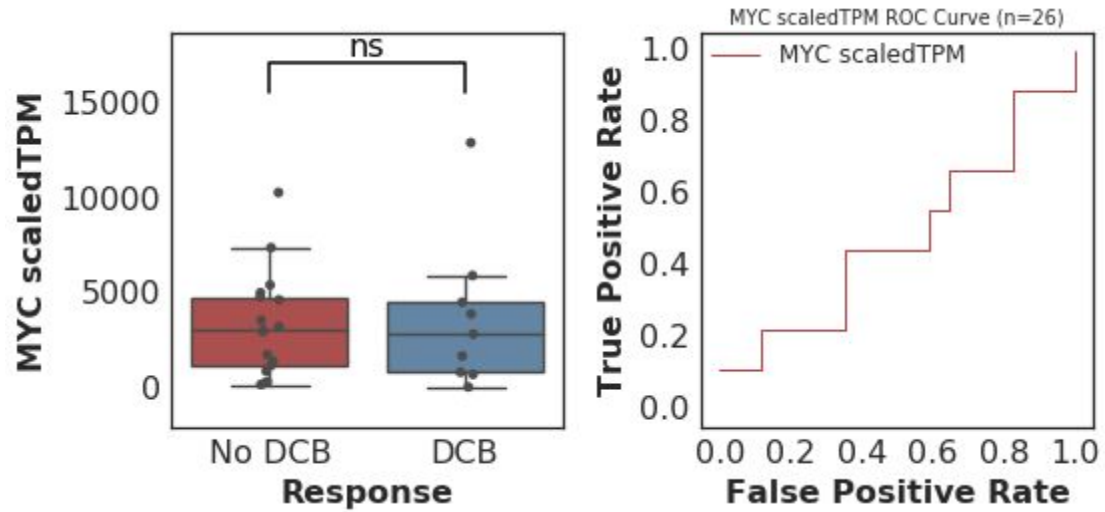
There was a significant correlation between missense SNV count and APOBEC signature mutations ( $n=25$ , [Pearson  \$r=0.40\$   \$p=0.048\$](#) ).

S6E Fig



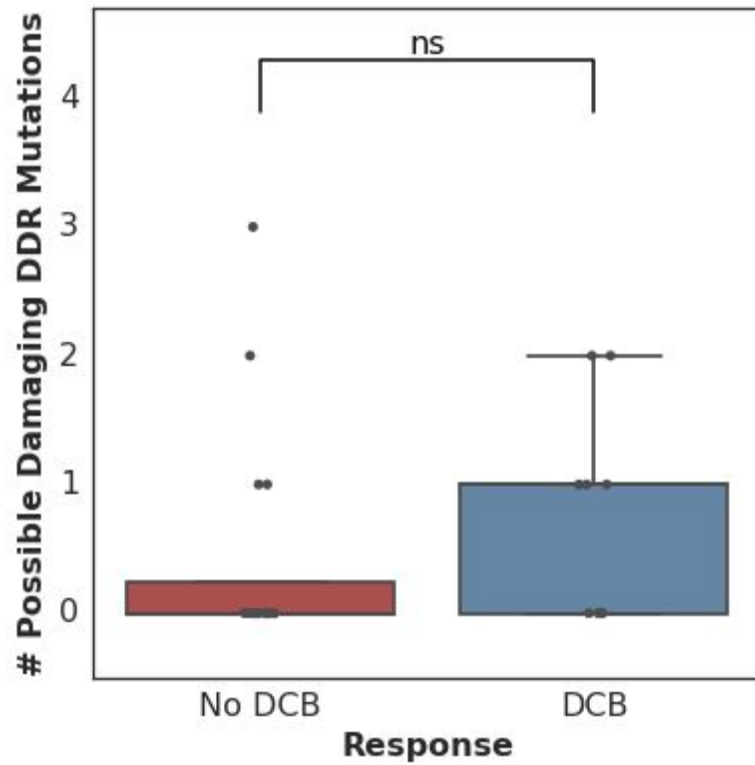
There was no significant association between FGFR3 mutations or expression ([n=26](#), [Mann-Whitney p=0.39](#)).

S6F Fig



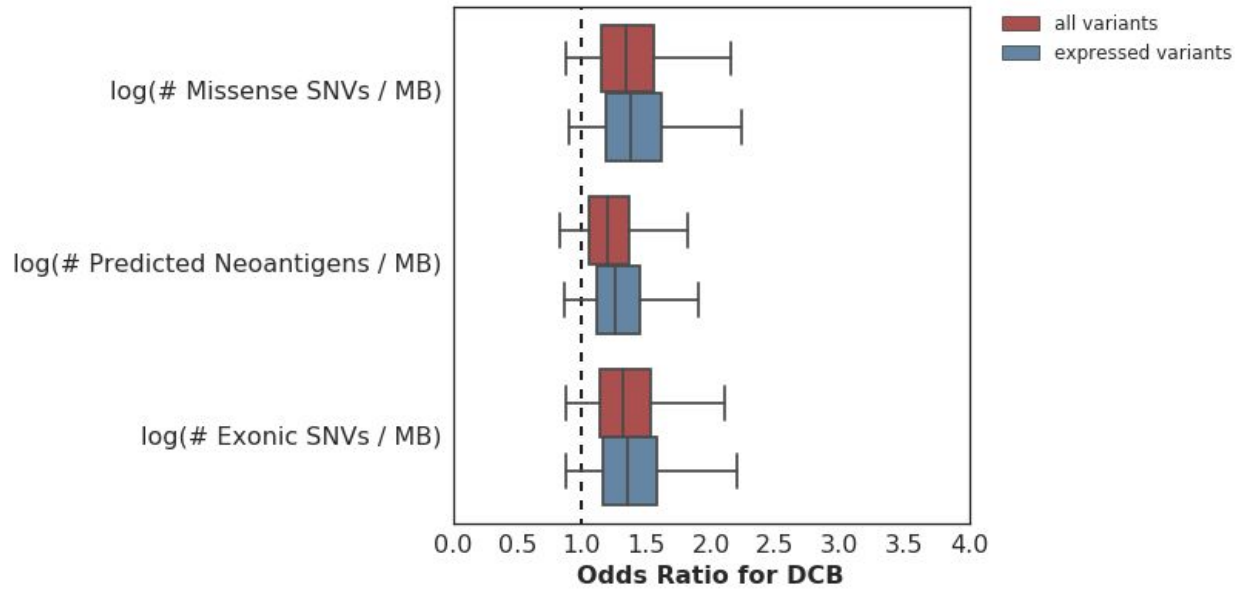
There was no significant association between MYC expression and outcome measured by PFS DCB ([n=26, Mann-Whitney p=0.87](#)).

S6G Fig



There was no significant association between DNA damage response (DDR) mutations rated as “possible” by PolyPhen and DCB ( $n=25$ , [Mann-Whitney  \$p=0.20\$](#) ).

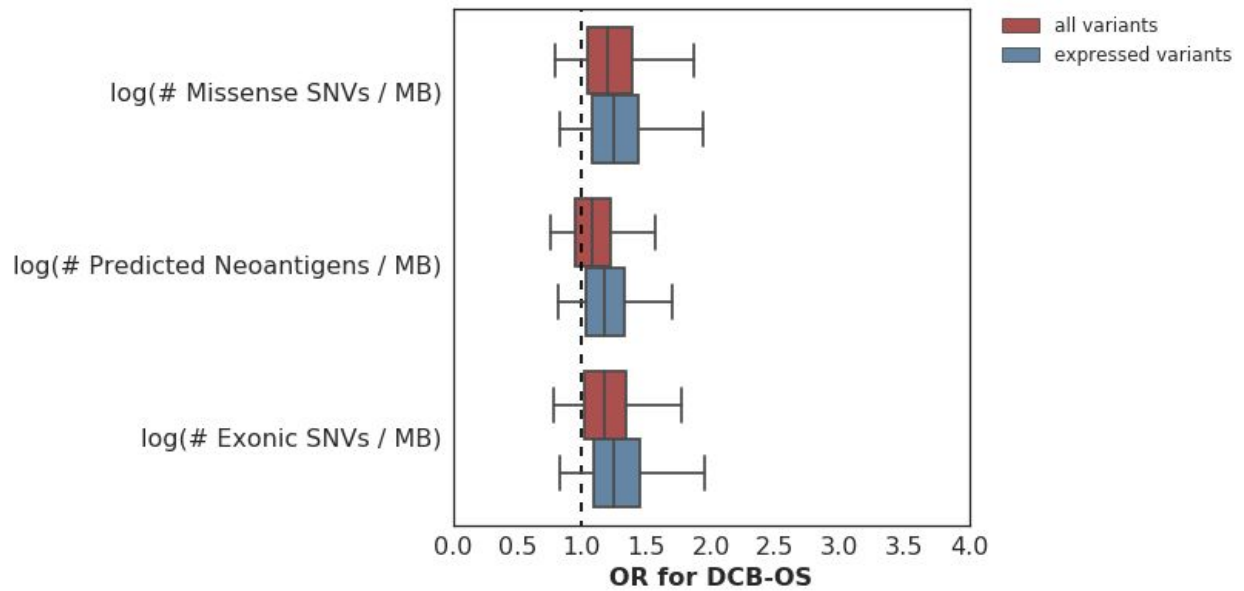
## S6H Fig



Univariate association of exonic SNV, missense SNV and neopeptide load with DCB, with (blue bars) and without (red bars) filtering by expression.

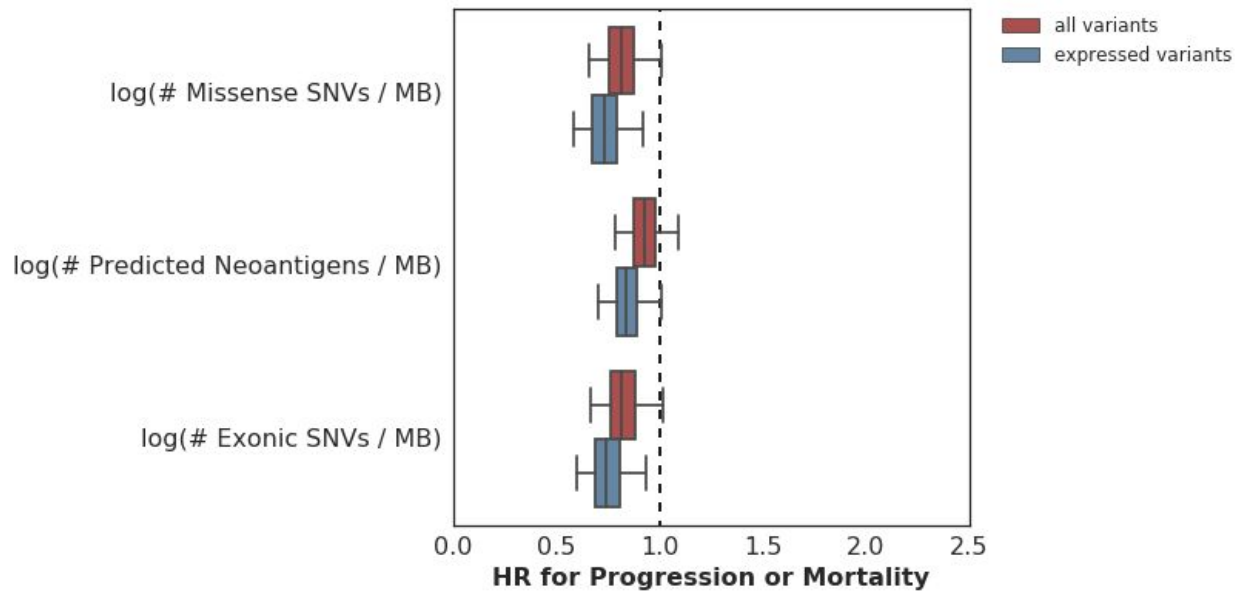


## S6I Fig



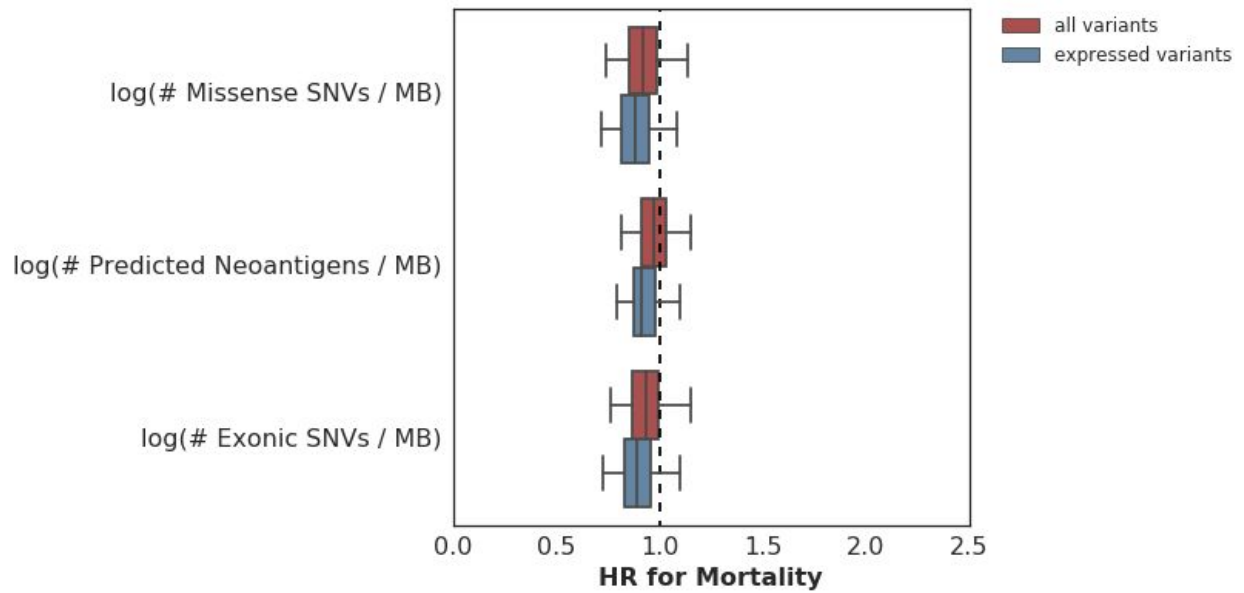
Univariate association of exonic SNV, missense SNV and neopeptide load with OS greater than 12 months, with (blue bars) and without (red bars) filtering by expression.

## S6J Fig



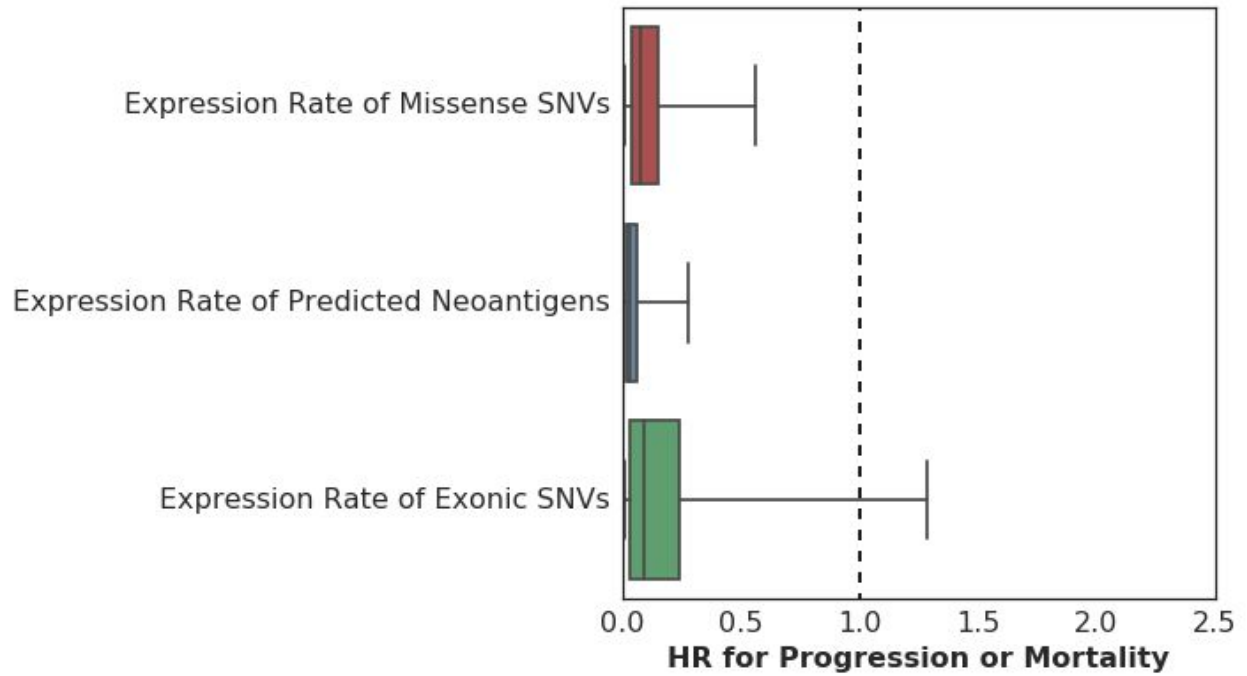
Univariate association of exonic SNV, missense SNV and neopeptide load with PFS, showing results with (blue bars) and without (red bars) filtering by expression.

## S6K Fig



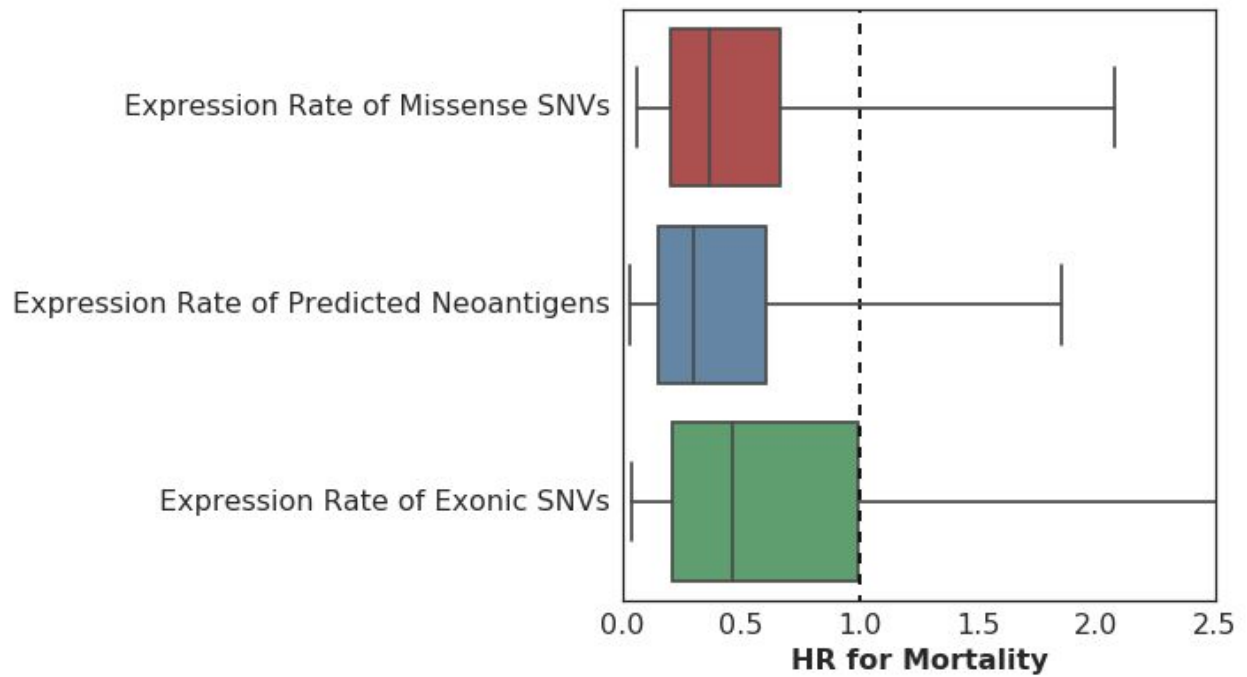
Univariate association of exonic SNV, missense SNV and neoepitope load with OS, showing results with (blue bars) and without (red bars) filtering by expression.

S6L Fig



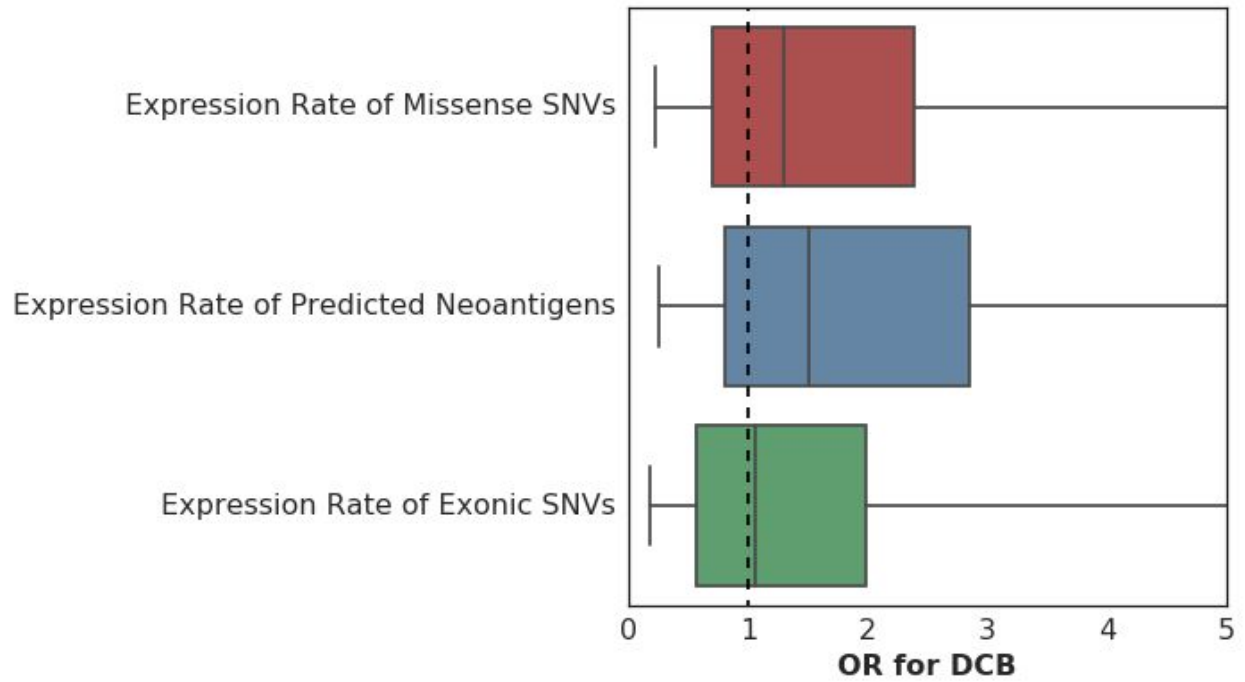
Univariate association of expressed/total ratio for exonic SNV, missense SNV, and neoantigen loads with PFS.

## S6M Fig



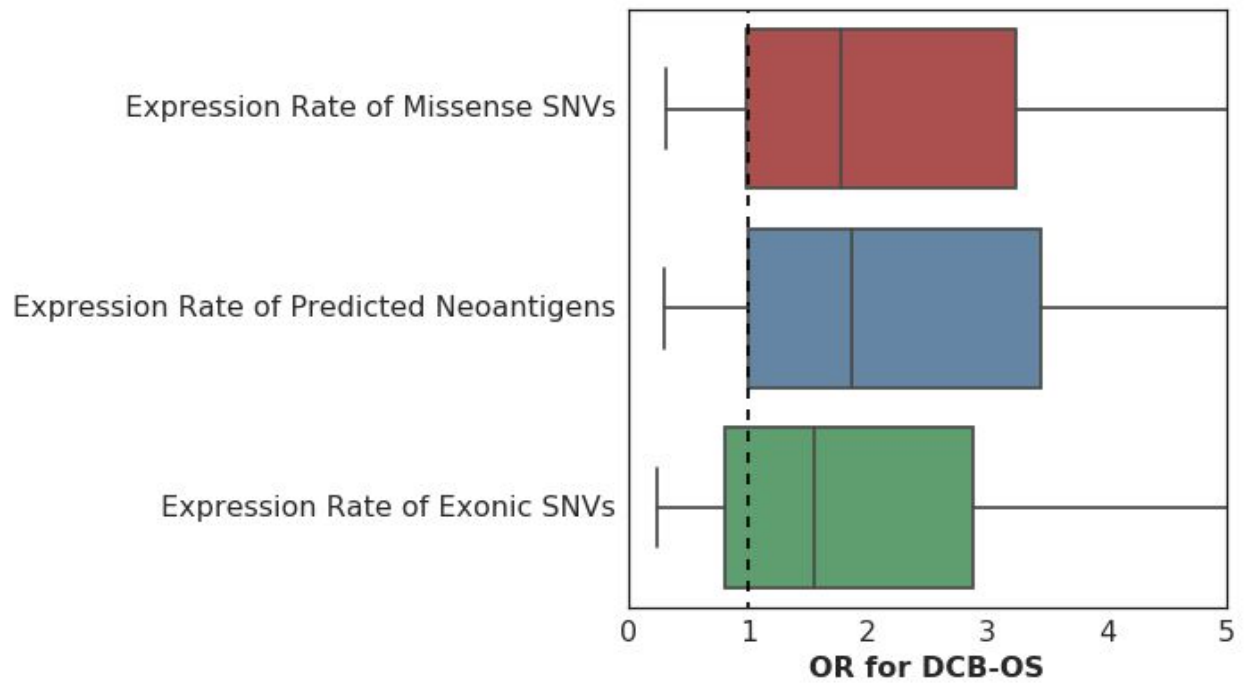
Univariate association of expressed/total ratio for exonic SNV, missense SNV, and neoantigen loads with OS.

## S6N Fig



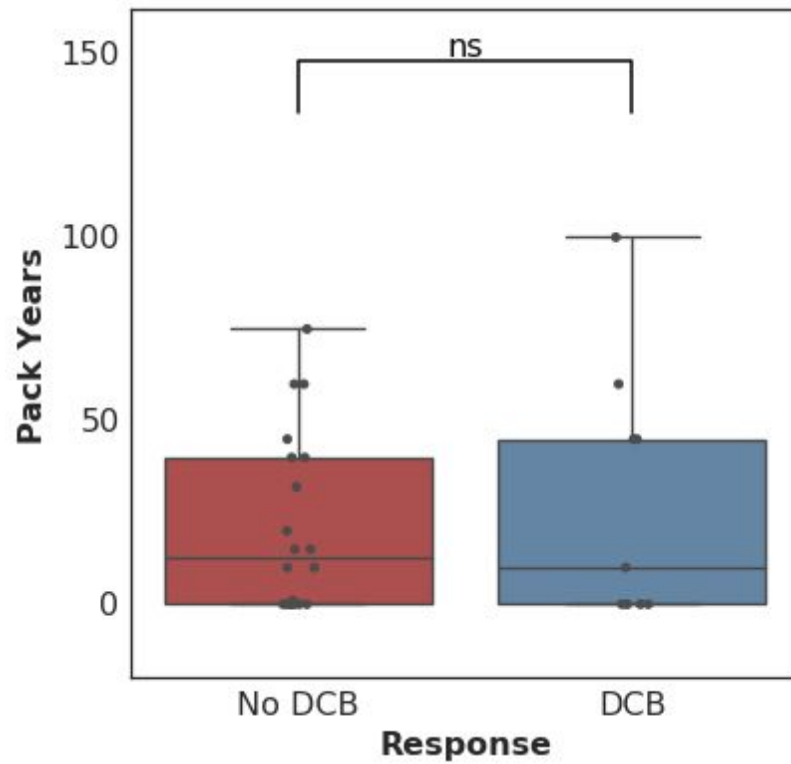
Univariate association of expressed/total ratio for exonic SNV, missense SNV, and neoantigen loads with DCB (PFS greater than 12 months).

S6O Fig



Univariate association of expressed/total ratio for exonic SNV, missense SNV, and neoantigen loads with OS greater than 12 months.

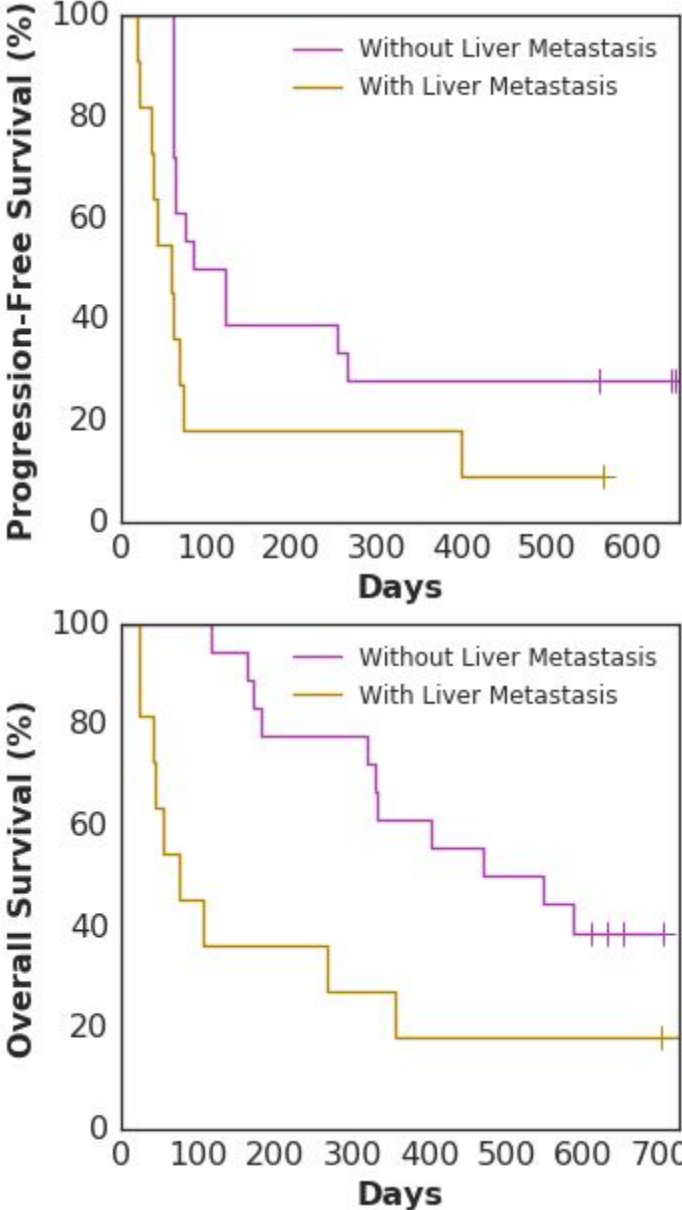
S6P Fig



There was no significant association between pack years of reported smoking history and DCB ( $n=29$ , [Mann-Whitney  \$p=0.87\$](#) ).

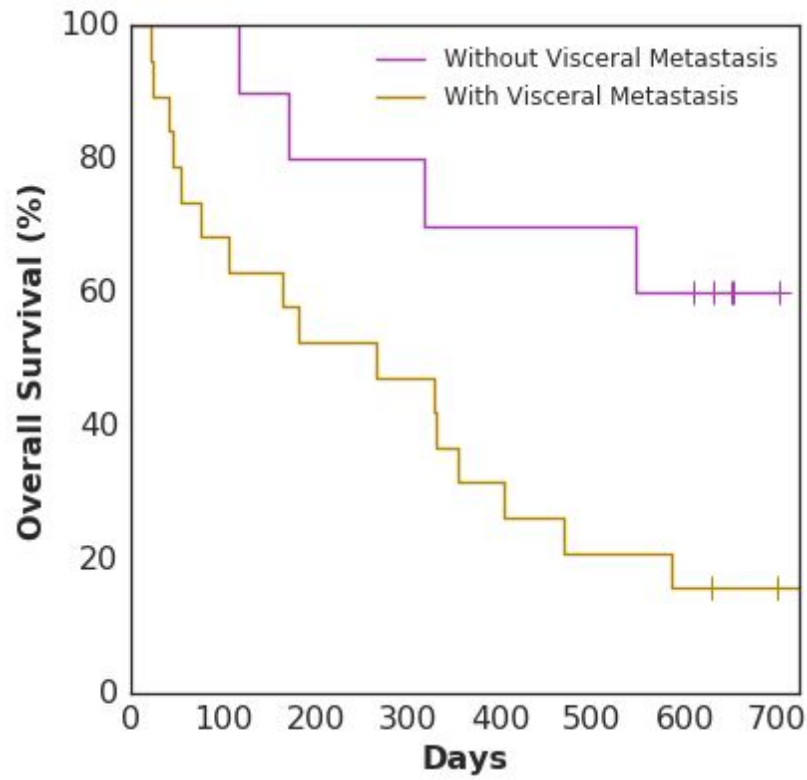


S6Q Fig



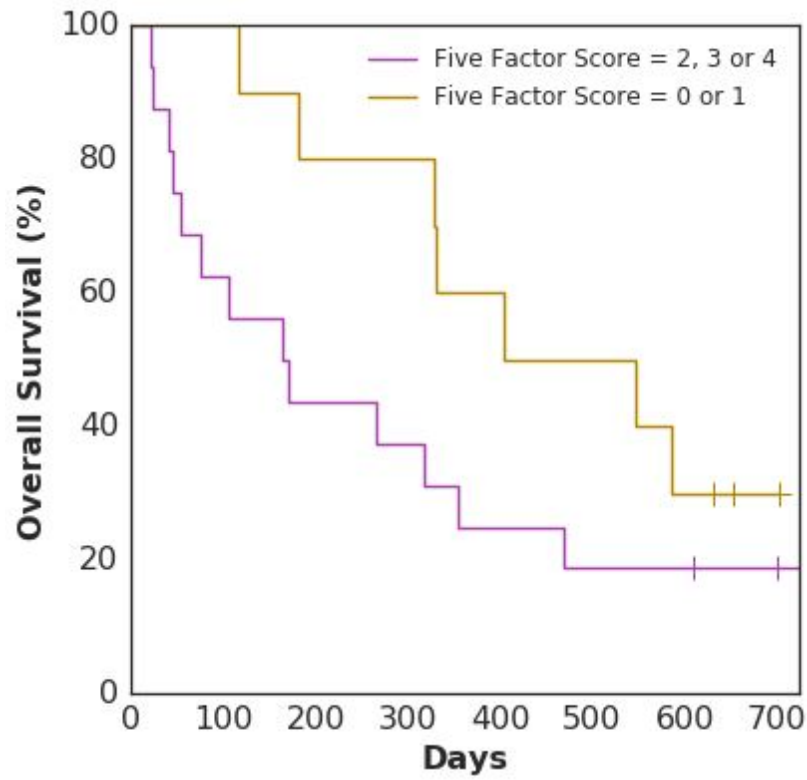
There were significant associations between PFS ( $n=29$ , [log-rank p=0.024](#)) and OS ( $n=29$ , [log-rank p=0.018](#)) and the presence of liver metastasis.

S6R Fig



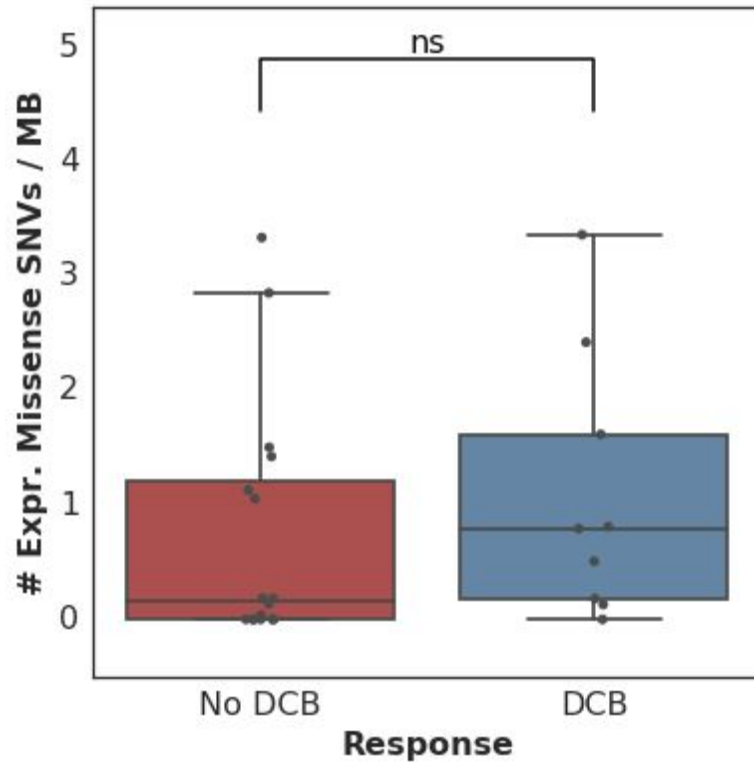
There was a significant association between the presence of visceral metastases and poor overall survival ([n=29, log-rank p=0.020](#)).

S6S Fig



There was not a significant association between 5-factor score and OS ([n=26, log-rank p=0.13](#)).

S6T Fig



No significant association between the number of expressed missense SNV per megabase and DCB (DCB [0.79 \(range 0.00-3.36\)](#), versus no DCB: [0.16 \(range 0.00-3.34\)](#)), [n=25, Mann-Whitney p=0.26](#).